



## Missouri S&T Magazine, April-May 1945

Miner Alumni Association

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# MSM ALUMNUS

Missouri School of Mines and Metallurgy  
ROLLA, MO.

VOLUME 19

APRIL-MAY, 1945

NUMBER 2

## Who's Who on the Campus :: Department of Mining Engineering\*



Group of students working in school mine. Who can identify them? Send identifications to The Editor, MSM Alumnus—they will be published in next issue.

in the Warehouse building. A mining laboratory for research and instructional studies will be set up there and a shop and display room have been established. The Experimental Mine, comprised of several hundred feet of underground work, a quarry and surface mine plant, and situated about 1½ miles from the campus, offers additional facilities for studies in mining methods.

Mining Department plans for the immediate future call for the building up of the display exhibit wherein working models and machinery of mining practices are presented for examination by the student and visitor; for the extensive reconversion and modernization of the Experimental Mine and mine plant to offer better instruction and research accommodations and; for the development of a more thoroughly integrated, complete course of study in Petroleum Engineering. In fact, all three options offered for a degree in the Mining Department: namely, Mining Engineering, Mining Geology and Petroleum Engineering, have been recently analyzed and revised for better correlation. The new curricula and courses of study are given in the 1944-45 Catalogue Bulletin of the School of Mines and Metallurgy.

Research work leading to either a Master's degree or Ph.D. degree may be taken in any one of the three options and a professional degree is granted to any

The Department of Mining Engineering which heretofore has had offices, drafting room, and laboratories in the Mines building, also occupied in part by the Ceramics Department and the Regional Station of the U. S. Bureau of Mines, recently has expanded into additional space provided

graduate of the Department who can demonstrate 5 years of responsible engineering practice and on the presentation of a satisfactory thesis. Cooperation in research work for post-graduate studies is maintained with the U. S. Bureau of Mines and close working relations are also in effect with both the Missouri Geological Survey and the U. S. Geological Survey.

The present staff of the Mining Department is comprised of J. D. Forrester, Professor and Chairman; and Myron Read, Instructor. The staff will be enlarged as academic demands require and as suitable men become available in the field.

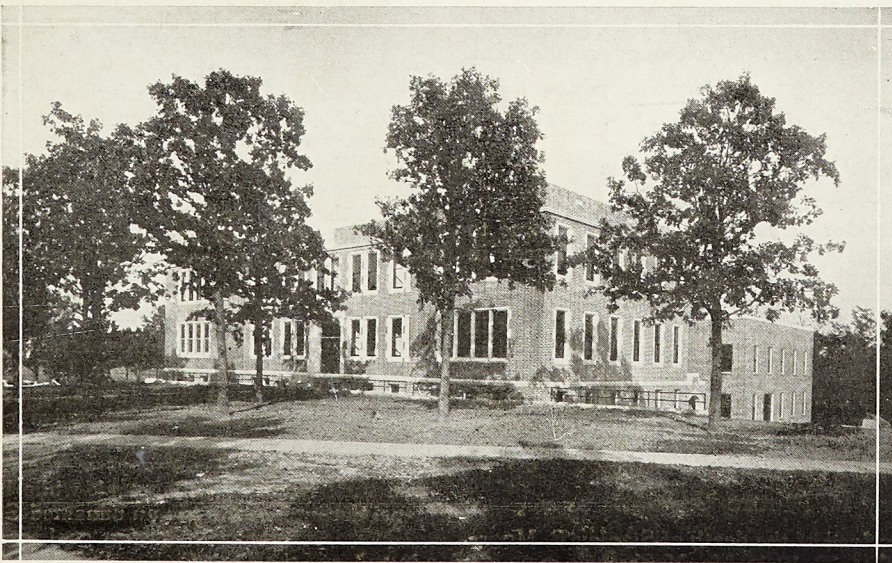
Dr. J. D. Forrester is a graduate of the School of Mines, University of Utah, and at Cornell University, where he received his Doctor of Philosophy degree. He came to MSM in August of 1944 from the University of Idaho where he spent five years after eight years of service with the Anaconda Copper Mining Company and International Smelting and Refining Company. He has recently completed a manuscript of a new text book entitled "Principles of Mining Geology" wherein factors bearing on the prospecting and development of mineral bodies and the principles of appraisals and examinations are presented. It is to be released by the publisher during July or August of this year. He is also the author of approximately 15 articles published in the technical press. His professional experience outside of teaching has been in the field of mineral land examination,

prospecting, and land appraisal throughout the western states. He is a member of the American Institute of Mining and Metallurgical Engineers, Society for Promotion Engineering Education, Society Economic Geologists, Geological Society of America, Northwest Scientific Association (also Trustee), Society of the Sigma Xi, and the Theta Tau Engineering Fraternity.

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DR. J. D. FORRESTER



EXPERIMENT STATION BUILDING where problems of Mining Industry are Worked Out

\*First of a series of articles describing departments and personalities on the campus.



**Widow of John W. Rayl '42 pleased with Memorial****MRS. RAYL AND HENRY ELLEN**

The editor of the *Alumnus* sent to Mrs. John W. Rayl, widow of John W. Rayl '42, a copy of the *Alumnus* containing the story concerning the proposed memorial fund, and also a copy of Capt. Sid Burberry's letter to the class of '42 regarding the memorial. Mrs. Rayl replied expressing her appreciation and also announcing the arrival of a daughter, Henry Ellen, born to her and Johnny shortly after he was killed in France. The letter reads as follows:

Baton Rouge, La., May 20, 1945:

Mr. Noel Hubbard,  
Missouri School of Mines,  
Rolla, Missouri.

Dear Mr. Hubbard:

I can't tell you how very much I appreciate your kind letter. The *Alumni Magazine* arrived a few days later, and I shall certainly be proud to keep it and the letter to the class of '42 not only for myself but for John's and my daughter.

Mr. Hubbard, I know of no one to whom education meant more than to John. I am certain that there could be no more fitting memorial for him than the fund that has been set up to help others like him get an education. It would have made him so happy as it does me to know that his classmates thought so highly of him.

I do hope that I may get to visit your campus and meet some of John's friends when I come to Missouri. John had so many stories to tell me about school. Those four years were such a great part of his life, and I know how happy he was there.

Our daughter's name is Henry Ellen. I am enclosing our contribution to the memorial fund.

Again let me say that your tributes to John have meant so much to me, and have made me even more proud of him.

Very truly yours,  
**MRS. JOHN W. RAYL.**

**Who's Who on the Campus**

(Continued from Page 1)

Myron Read, instructor in mining engineering, came to MSM in 1943, holding a Bachelor of Science degree in mining from Columbia University and an E. M. degree from the same school. He has had practical mining experience in the copper mines at Butte and with a chromium deposit in Montana. He is author of an article recently published in the *Mining Congress Journal* covering the practice of strip coal mining operations in western Missouri. He is a Junior Member of the American Institute of Mining and Metallurgical Engineers.

**Stanley R. Moore '05 Dies**

Word has been received of the death of Stanley R. Moore which occurred on Oct. 22, 1941. Mr. Moore was manager of the Standard Silver Mining Company of Wilborn, Mont.

**Carl G. Stifel '16 Appointed to Social Security Commission**

Governor Phil M. Donnelly has recently announced the appointment of Carl G. Stifel as a member of the State Social Security Commission.

Carl is Immediate Past President of the Alumni Association and has been active in alumni affairs for a number of years, being a life member of the association. On the campus he was a member of Kappa Sigma fraternity.

**Mother of John Rayl '42 Endorses Memorial Fund**

In a letter to Dean Curtis L. Wilson, Mrs. Letha Rayl expressed pleasure at the movement undertaken by the class of '42 looking toward the establishment of the memorial scholarship fund in honor of the boys of that class who were killed in the war. Mrs. Rayl also announced that a baby daughter, Henry Ellen, had been born to Johnny and his wife recently, a daughter which Johnny never saw. Mrs. Rayl's letter is as follows:

Dean Curtis L. Wilson, Rolla, Mo.

Dear Sir:

Capt. Burberry's letter received when I returned home from Louisiana after visiting with John's wife and little daughter. (She was born Feb. 10 and her name is Henry Ellen.) It was a glad surprise about the Memorial Fund for John and I would be glad for his gold-star classmates to share in the honor. I hope it is all a success and that Bob can take advantage of such a splendid opportunity and that it will be a lasting fund to help boys who have the courage John had in going out on their own.

If I can cooperate in any way, I will be glad to do so.

Sincerely, **LETHA RAYL.**

**Lt. Col. Daniel C. Kennedy '26 Views German Atrocities**

A letter received by Mrs. Kennedy from Lt. Col. Daniel C. Kennedy who is on the staff of Gen. Patton in Germany, states that he went through the Ohrdruf concentration camp and witnessed the atrocities that have been practiced by the Germans upon the people in this camp. Dan writes that he will never forget the sight and the smell and that he had to see for himself to believe the stories he had heard. "And now I can truthfully say that I believe them. I saw twenty-eight poor emaciated prisoners who had been shot through the back of the head and had fallen one over the other. That and lots more too bad to describe.

"It's hard to imagine that any country could allow such things to happen. I'm afraid my attitude toward the German people will always be hard.

"Watch the *Life* magazine for an article on concentration camps. I was up there when they were taking pictures—and honestly, I never saw such sights. Positively inhuman, and the living skeletons there are pitiful. Starved to death.

"No use writing the gruesome details, but don't let anyone tell you the tales are propaganda. I SAW them."

Dan was formerly connected with the U. S. Geological Survey here on the campus at MSM before entering the army.

**James D. Elam '45 Killed in Action**

Word has been received from Mrs. Gladys Elam Jenkins, sister of James D. Elam, by Dr. J. S. Cullison of Geology department, advising that James was killed in action in Germany on April 15 during the advance of the 69th Division to which he was attached, to the River Elbe. Jim was killed during the closing days of the battle, being struck by a shell from a German tank while leading an infantry patrol during a combat in an unnamed German village.

Jim was majoring in mining geology at MSM. He was a member of the Tech Club and of the American Institute of Mining and Metallurgical Engineers.



**MSM Alumnus**

Issued quarterly, in the interest of the graduates and former students of the School of Mines and Metallurgy. Subscription price 50 cents, included in Alumni Dues.

Entered as second-class matter Oct. 7, 1926, at Post Office at Rolla, Mo., under the Act of March 3, 1879.

**Officers of the Association**

FRED C. SCHNEEBERGER '25 ..... *President*  
KARL F. HASSELMANN '25 ..... *Vice-President*  
HOWARD M. KATZ '13 ..... *Secretary-Treasurer*

**The President's Column—Committees Announced**

In our last issue we promised you that we would announce the Members of the various National Committees which we feel are necessary in the proper conducting of an organization such as ours. Because of the wide disbursement of our Alumni, and because we must handle these situations in between other duties, etc., it has not been possible to consult all of our possible committee talent. It has been decided therefore, that in the interest of action, it is necessary that we draft those whom we believe would have a compelling desire to do anything required of them in order to help our organization get up on top where it belongs.

Since that decision is behind us, we shall proceed to designate those upon whom we shall lean for the period—now until Dec. 31, 1946—to assist us in making the type of showing which everybody expects of us. It might be stated that this article represents the only "notice" that our new Committee Members will have had of their opportunities to help the rest of us in the job we're going to do. Brutal? maybe—but, with paper and help shortage, etc., we have no alternative. Everybody is busy—but we operate on the time-tried basis that, "if you've got a job to do, give it to a busy guy!"

In selecting the various Committee Members, we have given earnest consideration to representation. We want representation geographically. We want representation professionally (Mining, Met., E.E., M.E., Chem., Ceramics, Civil, G.S., etc.). We want Service Men or ex-Service Men. The Advisory Committee, for obvious reasons, was chosen from the St. Louis area. Here they are:

**I. ADVISORY COMMITTEE**

Niel Ham '23, chairman ..... St. Louis, Mo.  
Carl Sifel '16 ..... St. Louis, Mo.  
Wm. Taggart '20 ..... St. Louis, Mo.  
F. S. Elfred '17 ..... St. Louis, Mo.  
(Col.) F. W. Green '40 ..... St. Louis, Mo.

**II. FINANCE, ENDOWMENT & SCHOLARSHIP**

Geo. Easley '09, chairman ..... New York, N.Y.  
D. C. Jackling '92 ..... San Francisco, Cal.  
A. P. Green '35 ..... Mexico, Mo.  
Eugene McAuliffe '27 ..... Omaha, Neb.  
Col. E. R. Needles '14 ..... Washington, D.C.  
Emory Wishon '09 ..... San Francisco, Cal.  
J. H. Steinmesch '06 ..... Eldorado, Ill.

**III. PUBLIC RELATIONS**

Carl Stifel '16, chairman ..... St. Louis, Mo.  
A. P. Green, Jr. '32 ..... Mexico, Mo.  
Howard I. Young '39 ..... St. Louis, Mo.

**IV. MEMBERSHIP**

James L. Head '16, chairman ..... New York, N.Y.  
Barney Nudelman '21 ..... Los Angeles, Cal.  
Gunnard Johnson '16 ..... Chicago, Ill.  
O. E. Stoner '20 ..... Tulsa, Okla.  
J. B. Butler '15 ..... Rolla, Mo.  
Lt. Dwight L. Moodie '24 ..... Brooklyn, N.Y.  
H. L. Leonard '23 ..... McAllen, Tex.  
M. H. Thornberry '12 ..... St. Louis, Mo.

**V. ALUMNI AVAILABILITY**

Noel Hubbard, chairman ..... Rolla, Mo.  
After thorough consideration, it was determined that everybody is on this committee. Hire MSM Men! If you have a position to fill, report it to Noel Hubbard; if you want a job, or want to change jobs, advise Noel, he'll keep a running record. The main thing is !! **Think of MSM First !!** when you have an opening!

**VI. RESEARCH & CURRICULAR**

Col. E. D. Lynton '12, chairman ..... Los Angeles, Cal.  
Mervin J. Kelly '14 ..... New York, N.Y.  
P. H. Bohart '19 ..... Tulsa, Okla.  
J. H. Steinmesch '06 ..... Eldorado, Ill.  
C. Freeman '28 ..... Mexico, Mo.  
Roy Lindgren '23 ..... Chicago, Ill.  
Col. E. R. Needles '14 ..... Washington, D.C.  
J. L. Head '16 ..... New York, N.Y.  
Charles J. Potter '29 ..... Washington, D.C.  
James N. Foster '25 ..... St. Louis, Mo.  
John Ingram '13 ..... Chicago, Ill.  
George Mellow '18 ..... St. Louis, Mo.  
I. W. Alcorn '22 ..... Houston, Tex.  
E. W. Engelmann '11 ..... Garfield, Utah

**VII. PUBLICATIONS**

R. Z. Williams '31, chairman ..... Rolla, Mo.  
R. H. B. Butler '12 ..... Chicago, Ill.  
Lt. Col. Elliott H. Reed '36 ..... Gulfport, Miss.  
S. H. Lloyd '21 ..... Rolla, Mo.

**VIII. ATHLETICS**

Mike Ledford '26, chairman ..... Houston, Tex.  
H. E. Zoller '23 ..... Wichita, Kan.  
Spike F. E. Dennie '\*\* ..... Rolla, Mo.  
A. E. Buck '25 ..... Albuquerque, New Mex.  
M. P. Brazill '20 ..... St. Louis, Mo.  
Paul Fischer '23 ..... Chicago, Ill.  
G. J. Christner '22 ..... New York, N.Y.  
Ens. M. E. Nickel '38 ..... Chicago, Ill.  
Ens. Al. Dick '44 ..... U. S. Navy  
Ens. F. C. Appleyard '37 ..... Alabaster, Mich.

The functions of the various Committees outlined above will be covered in the next issue. The members of these committees, however, are of such a calibre that detailed instructions are extremely unnecessary. They will, we are sure, sense their spheres of duty and begin immediately to organize for the fulfillment of such duties. The deadline of reports from these committees will be announced subsequently—so, there will consequently be no need to await further information from any source.

Every job on every Committee entails work — and it is hoped that all of us will give a hand and expeditiously complete all assignments. If anyone feels he has qualifications which should have been recognized to the extent of appointment to any committee—he has only to write to the Chairman of the Committee involved—and we are sure he will have an opportunity to help.

**A Blue-Print for Section Organization**

It has become evident that our organization could be infinitely more effective if our Sections would conform to some sort of a standard pattern.

With this thought in mind, we should like to submit a blue-print to our local Sections for their consideration. If something similar to the following could be adopted, it would certainly suffice until such time as more hard and fast requirements can be developed by the Committee which will study our Constitution, By-Laws, etc.

A Section Constitution and By-Laws are desirable, but not wholly required for the time being.

The following Officers certainly should be elected, and

(Continued on Page 5)



## With the Local Sections

### Tulsa Section Meeting

The members of the Tulsa Alumni group were indeed glad to meet with the new president, Fred C. Schneeberger '25 for a get-together and discussion of affairs of interest to all alumni. An informal meeting was held at the Tulsa Hotel, Thursday evening, Mar. 22, 1945. To start the evening off Fred gave a general review of the affairs of the School, its problems, and the aims and plans of the Alumni Association. The Alumni present were very much interested to know of the definite plans that are under way and all feel sure that much good will come out of these efforts.

One of the disadvantages of the Tulsa section, and no doubt it is common to most others, is the lack of direct contact with the School, and Alumni and the various problems. The section has welcomed an opportunity to discuss them on similar occasions.

The meeting was cut short because President Schneeberger had to leave early to catch a train, but an opportunity was presented to talk things over for a short time. Phil Bohart '19, Herman Kaveler '27, and Doc O. E. Stoner '20 joined in the discussion and made some interesting observations. Three main points were brought out, namely:

1. The Missouri School of Mines should determine and then follow a program which would make it distinctive in some particular field.

2. Closer contact should be maintained between the Faculty and Alumni, so that problems of industry might be referred to MSM for research study, where applicable, thereby giving mutual aid and assistance.

3. Committees to study specific types of problems coming before the Alumni Association should be appointed, so that all groups could be advised and thus be in a position to consult on the more important matters.

The Tulsa Alumni group were indeed glad to see and meet Fred again. For several, it was the first time they had seen him since 'School' days, and they were happy to see him and to note that he had changed but little since then. All will look forward to more similar meetings with Fred and his successor Presidents of the Alumni Association.

A. W. WALKER, Tulsa Section Chairman.

### New York Group Entertains Shiv Raj '11

Shiv Raj, now a banker of Lahore, India, and who is making his first trip to the States since his graduation, was the guest of eleven of the New York City alumni at luncheon at the Mining Club on April 23. Mr. Raj is interested in projects for the industrialization of his country, and told the group of some of the plans which they hope to carry out after the war when equipment is available. Capital and raw materials are not such a problem, but "know how" is lacking, and for that they seek aid from the States. He has maintained his interest in MSM all these years and in his approaching visits throughout the States expects to look up as many of his old schoolmates as possible. He visited Rolla on May 4 and 5.

Present to greet Raj at the luncheon in New York were E. E. Squier ex-'05; Paul R. Cook '07; George A. Easley '09; J. S. Stewart '10; O. D. Deal '14; James L. Head '16; W. E. Remmers '23; C. B. Kentnor '24; E. A. Crawford '29; Alvin W. Knoerr '38; and J. S. LeGrande '38.

### Class of 1920 Holds Reunion

On April 24, 1945 twenty-five years after the graduating date of the class of 1920, this class held its twenty-fifth reunion at the Colonial Village in Rolla. The meeting was called by John Leslie Howendobler, 4309 S. Main St., Los Angeles, Calif., and was attended by Rafael Velasco, Micky Brazill, Bill Taggart, Merrill McCarthy, Edwin K. Schuman, Prof. K. K. Kershner, the only members of the class able to attend under war time conditions.

It was decided to invite to the reunion, also, those mem-

## MSM and U.S. Bureau of Mines Held Open House for American Institute of Mining and Metallurgical Engineers

The Missouri School of Mines and Metallurgy and the Rolla Laboratory of the Bureau of Mines held an open house for the St. Louis Section of the American Institute of Mining and Metallurgical Engineers on April 21. The program was arranged by Dean Curtis L. Wilson and C. Travis Anderson, Chief of the Rolla Division, Metallurgical Branch of the Bureau, with the cooperation of the Rolla members of the St. Louis section.

The program was largely devoted to a tour through the pilot plants of the Bureau of Mines at which the following operations were in progress.

**Zinc Pilot Plant**—Demonstration of continuous smelting of calcined sphalerite by reduction of the oxide with natural gas.

**Flotation Pilot Plant**—Continuous laboratory soap flotation plant, operating on fluorspar ores.

**Sink-and-Float Pilot Plant**—Heavy media separation of coarse minerals with smaller differences in specific gravity than optimum for conventional gravity separation.

**Agglomeration of Fines**—Continuous production of glom-erules of coarser size with physical characteristics suitable for metallurgical use. Fluorspar was being treated.

The engineers also visited the offices and laboratories of the Missouri Geological Survey and Water Resources and the Federal Geological Survey.

The Woman's Auxiliary of the Institute met for luncheon and then adjourned to the home of Dean and Mrs. Wilson for a program for the afternoon. In the evening the Engineers and Auxiliary met at a joint dinner meeting at 6:00 p.m. at the Parish House. The following papers were given:

**Fire Clay Mining in Missouri**—by Ben K. Miller MSM ex-'33, Superintendent of Raw Materials, A. P. Green Fire-brick Company, Mexico, Mo.

**Graphite Mining in Ceylon**—by J. H. Renfrow, Research Fellow in Ceramics, School of Mines and Metallurgy.

Many MSM graduates were among those attending the meeting.

### Miners Hold Reunion in Terre Haute

John Brodhacker '44, Tom Baugher '45, and Fred Schmitz '45 held a reunion in Terre Haute, Ind., the last week in April. John has been chief engineer officer on the U.S.S. Destroyer Escort for his last few trips. He took three weeks off for Diesel School at Beloit, Wis., and managed to visit Terre Haute. His address is Ens. John Brodhacker, U.S.S. Thomas Gary, D.E. 325, c/o Fleet Post Office, New York, N.Y. Tom is stationed in a Marine V-12 unit at Purdue University and is studying metallurgy. His address is Pvt. Thomas Baugher, U.S.M.C.R., Co. E., 4th Plt., M.D., Purdue University, Lafayette, Ind.

Members of the faculty who were in Rolla at the time the class graduated and those attending included Prof. C. Y. Clayton, Dr. G. A. Muilenburg, Dr. J. W. Barley, Prof. F. E. Dennie, Prof. F. H. Frame, and Prof. S. H. Lloyd.

At the luncheon meeting, Howendobler introduced all present and Velasco acted as toastmaster and in addition performed some tricks of magic similar to those which he had performed when a student in school. For instance, he made the rabbit disappear and did six other stunts. Following this, each member of the class and guests gave short talks.

Dr. J. W. Barley suggested that the class meet each five years in the future and those present voted to have another reunion in 1950. Howendobler was appointed permanent chairman of the class to make arrangements for the 1950 program which he promised would be a big one.



### Section Organization

(Continued from Page 3)

their terms should be for either one or two years:

1. Chairman; 2. Vice Chairman; 3. Secretary-Treasurer.

The Officers should appoint the following Committees:

#### (A) PUBLICITY COMMITTEE

This Committee should consist of a Chairman and as many additional Members as are necessary. Among the duties should be the following:

1. Reporting meeting attendance and items of interest occurring therein.

2. Reporting new addresses of Members.

3. Reporting new connections of Section Members.

4. Reporting honors or recognition given to Section Members.

5. Reporting the appearance of articles by Section Members which appear in the various journals.

#### (B) MEMBERSHIP COMMITTEE

1. Responsibility for contacting and recruiting Alumni in the interest of Membership.

2. Responsibility for contacting High School Students in the interest of recruiting them for Rolla.

3. Reporting, at least quarterly, to the Section Chairman as to the results of their activities in 1 and 2.

(Howard Katz to advise local Sections when new Alumni move into their areas. Noel Hubbard to notify local Sections of High School Students interested in MSM.)

#### (C) ARRANGEMENTS COMMITTEE

1. Responsibility for arranging regular meetings of the Section. These should be held not less frequently than quarterly—bi-monthly, if possible.)

2. Responsibility for arranging "Co-educational" dinners, dances, and functions of a social nature periodically.

It is realized that this country, and those abroad, contains many loyal Alumni who do not have the benefit of Section influence. Many men have chosen Mining, as an example, because it's away from the multitudes. When conditions become normal again, we intend to sponsor Class, and other migrations in the direction of Rolla. By this means we hope to make up that which is missed by those who have chosen to live longer and happier where there's elbow-room.

We sincerely hope the local Sections presently organized will give consideration to the plan outlined above in order that we might handle our affairs in a bit more orderly fashion. Consideration should be given to organizing such areas as Kansas City, San Francisco, Pittsburgh, Joplin, Denver, and other cities when a number of our Alumni are located.

### Membership Campaign

We have tried practically all of the various approaches in an attempt to obtain a thoroughly representative Membership in our Association.

We know that, unlike a liberal arts school, MSM's graduates could hardly be classified as "emotional." There is much more of a realistic attitude among our men—not so much of the "do or die for dear old Alma."

With this in mind, our attempts to bring our Membership up to an acceptable basis has been geared strictly to low-pressure. The results, while many times better than ever before, are still somewhat short of startling.

Out of a potential of something over 3000 living graduates—we have a paid membership now of something over 400. Something under 15% of our Alumni have signified their approval of our earnest approach in the direction of a better Alumni Association—a better school. Another thing is

worthy of comment—and that is—a very large percentage of our dues are coming from the members of our armed forces. These men have been out of school a lot shorter time than some of the rest of us and, consequently, their interest is keener and more acute. That accounts partially for their desire to participate—but—don't forget, five dollars to them represents also a considerably larger percentage of their total "take" than it would to some of the rest of us.

Several of our Sections, notably our Houston Section, have appointed local committees to encourage membership among our graduates. It has shown results.

We have discovered, by a system of sampling, that many of our graduates write checks only to cover bills which they receive. Several of them have told us, "Send me a bill, I'll pay gladly." Our former method of including a coupon as a part of THE ALUMNUS has not proved satisfactory and its use has been abandoned. Nobody wants to wreck a perfectly good ALUMNUS in order to have something to send in with his check. So—we're going to accommodate those of you who pay only upon presentation of an invoice. These will go out shortly.

We're not the least bit disturbed at our inability to obtain a greater percentage of paid-memberships. Of course, we're not too much exalarated either!

The last issue, before this, cost us for printing alone, \$525.67. Many very fine comments about this issue have been received. We might be curtailed somewhat in the future because of paper shortage—or because of the "parade-rest" position of our current income.

We want you to have all the information we can get out of Rolla and elsewhere, and we'll continue to get it to you. It would help a lot if everybody would see fit to keep his dues in a current condition.

A misprint occurred in our last issue where under "Alumni Dues" it stated "Enclosed is my check for \$5 in payment of my Alumni dues 1945-1946 beginning Sept. 1." This was in error, our fiscal year is the calendar year. 1945 dues are now payable and they will cover the year Jan. 1, 1945 to Dec. 31, 1945. **We Want 1000 Members at Least!**

Mr. \_\_\_\_\_

TO: **M S M ALUMNI ASSOCIATION**  
Missouri School of Mines & Metallurgy  
DEBTOR

DUES: Jan. 1, 1945 to Dec. 31, 1945 ..... \$ 5.00  
(Including all 1945 Issues MSM Alumnus)

Please make your check payable to:

**HOWARD M. KATZ, TREASURER**  
**MSM ALUMNI ASSOCIATION**  
ROLLA, MISSOURI

Please check the following:

Should be: My address is correct. Yes\_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_

Receiving MSM ALUMNUS? Yes\_\_\_\_\_ No\_\_\_\_\_



### They Like the Alumnus

Ens. and Mrs. Tom Gettys '44 write, "we have just received the Spring issue of the 'MSM Alumnus,' and were most interested to read the whereabouts of many of our friends."

Lt. William R. James '42 writes of receiving the last issue of the Alumnus and that, needless to say, it was very much appreciated and enjoyed.

Charles A. Freeman '28 is with the A. P. Green Firebrick Co., at Mexico, Mo., and is living at 926 S. Olive St., Mexico. Charlie writes that he enjoyed the last issue of the Alumnus and he appreciates what the Alumni officials are trying to do in promoting the Alumni Association, and promises his support at any time.

T-5 Philip H. Pipkin '39 expresses his appreciation of receiving the news about his classmates in the Alumnus. Phil is overseas with the First Army, and his home address is C-4 Vineville Court, Macon, Georgia.

Ralph C. Graham '31 is with the British-American Oil Producing Co., 350 Mellie Esperson Building, Houston 2, Tex. Ralph sent congratulations on the last issue of the alumni magazine, which he states has so many interesting articles and other information of interest to those who have been out of school for some time. Ralph sent alumni dues and hoped that the organization would continue this good work.

James L. Head '16 writes from New York City congratulating the Association on the last issue, saying "The Magazine improves with each issue." "Babe" sent a number of interesting items concerning alumni in the East for the next issue of the Alumnus.

Ens. Harry Scott Jr. '44 writes, "I received the Spring edition of the MSM Alumnus the other day, and it served as an excellent reminder to pay my alumni dues. So, I'm enclosing five dollars to cover these dues for the year 1945. I would also like to congratulate the Alumni Association on this particular issue. It's really a swell job!"

Ens. Jean McCaw Lloyd '44 writes from Portsmouth, Va., where she is stationed in the Navy: "Thanks a lot for sending the alumni magazine, which I enjoy immensely. How do I join the Alumni Association?"

Jack Long '39, Potosi, Mo., writes, "I have enjoyed the Alumni magazine so much; it is like a homecoming every time I receive it. I have met Rolla men everywhere I have gone, but never thought much about the Alumni Association until I started receiving the magazine. I am glad to see how active it is, and want to be counted in as one who is very much interested in his Alma Mater."

Julius C. Salmon Jr. '22, manager of the Minden, La., Chamber of Commerce writes, "I am hereto attaching check for my 1945 alumni dues and I do want you to know that I appreciated all publications that I received in the past and that I think you and Freddie are doing a wonderful job in organizing MSM alumni on a national scale."

In a letter received from James J. Springer '41 he states, "Enclosed is my check for \$5.00 for payment of my alumni dues for 1945-46. I received the Spring issue of the MSM Alumnus and found it very interesting and hope that we have continued success in building up the organization."

John N. Webster '14 of Winner, S. Dak., sent a letter to Howard Katz saying, "Your report continues to interest me, that is, the little paper of what is doing about the Campus. The one about Spike Denny arriving in 1909 was particularly interesting."

Capt. C. H. Beardsley '33 writes from somewhere in the Pacific saying, "Have been enjoying the items in the 'Alumnus' as far as keeping up with some of the fellows is concerned and am glad to hear that MSM has come into the limelight on the postwar construction."

Clayton Bentley '40, 1566 Orchard Grove, Lakewood, O., states in a recent letter, "Your great part in keep up the MSM Alumnus magazine has been greatly appreciated by

### Suggests General Memorial Scholarship Fund

Lt. William F. McConnell '42 in a letter to Dean Curtis L. Wilson sending his contribution to the class of '42 memorial fund, suggested that the movement be broadened to include all classes and all men who have lost their lives in the present war. Lt. McConnell's letter is reproduced below. Dear Dean Wilson:

I have received the letter from Capt. Sid Burberry and I am enclosing my contribution for the fund.

I think such a fund is indeed a fine idea and I am sure that all the members of the class of '42 will be only too willing to put it over. I know that all of us have been made extremely sad to hear of the deaths of Johnny Rayl and Mel Ulrich—they were indeed splendid chaps—the kind of which MSM and America may well be proud, and I am sure that a scholarship fund at their Alma Mater would be the most fitting type of memorial for them, and the only kind which they would wish.

It has occurred to me, that since many of the rest of my schoolmates from other classes have also made the supreme sacrifice, perhaps the Alumni of other classes who have lost some of their members would like to contribute to such a scholarship fund also—while such a fund could not bear the name of any one class it would be possible to build up a considerably greater fund and, consequently, to do much more good for the coming generations of Engineering students. In other words, why not a "MSM Alumni War Memorial Scholarship Fund"? I think the idea worthy of consideration by all Alumni of MSM at any vote and I will be more than willing to do all I can to promote the fulfillment of this plan should it be adopted by the Alumni Association. I can think of no better way in which to honor those Alumni of our Alma Mater who laid down their lives for the principles of life in which we all believe.

In the meantime, I sincerely hope that the memorial fund suggested by Sid Burberry will be put over the top by the members of the class of '42.

Sincerely yours,

WILLIAM F. McCONNELL '42,  
2nd Lt. Air Corps.

### Lt. Sterling T. Branson ex'43 Missing in Action

Lt. Sterling T. Branson has been missing in action since Feb. 10, 1945, when as a co-pilot on a B-29, he was returning from a raid on Japan and his plane ran out of gasoline and he was forced down some thirty miles from his base on Saipan. Rescue boats went out immediately but no trace of plane or any of the crew was found.

Sterling was a senior at MSM at the time he withdrew to enter the Air Corps. He was a pledge of Sigma Nu fraternity. His parents are Mr. and Mrs. Frank T. Banson of Keysville, Mo.

me and many others in my shoes. The Alumni from good old MSM seems to be doing a fine job on all fronts which must be partly due to the fine training that they received from the good school. I take great pleasure in reading of the accomplishments of these great fellows in the MSM Alumnus magazine."

H. W. Flood '43 writes from Nicaro, Ote, Cuba where he is maintenance engineer of the Leaching & Washing Dept. of the Nicaro Nickel Co., "I shall be more than glad to do anything towards helping with the organization, The MSM Alumnus. I know that the distance is quite great but I'll do my best in anything you might want me to do."

Maj. N. D. Jaffe '41 with Hdq. Assembly Area Command, Engineer Section, ETO, APO 752, c/o Postmaster, New York, writes "I was very pleased to receive the Winter Alumnus. Enjoyed very much the comments on the Class of '41 especially. From the notes, it seems that many of them are very close to me. Wonder if you could publish addresses giving APO's complete in your future issues. It would aid in locating these men."



**Capt. William H. Burgin '40****Awarded Bronze Star in Italy**

Capt. William H. Burgin has been awarded the Bronze Star Medal for "meritorious achievement in connection with military operations against the enemy" according to recent announcement from the headquarters of the Eighth Air Force bomber base.

Capt. Burgin graduated from MSM in May of 1940, majoring in Mining Engineering and went to work with Utah Copper Company at Bingham, Utah, remaining with them for two years when he entered the Air Force as an aviation step from which he has advanced to the rank of Captain.

**W. E. Remmers '23 Elected Vice-President of Electro Metallurgical Co.**

Walter E. Remmers has been elected to the position as Vice-President of the Electro Metallurgical Company. His office is in the Carbide and Carbon Building, 30 East 42nd St., New York, N.Y., according to an announcement received from W. J. Priestley, President of the Company. "Wallie" took his Bachelor's degree in '23 and Master's degree in '24 and received his Professional degree in Metallurgical Engineering in 1927. He has been with the Electro Metallurgical Company since 1936.

On the campus he was a member of Kappa Alpha fraternity and Sigma Gamma Epsilon.

His home address is Hollow Tree Ridge Road, Darien, Connecticut.

**Lt. Carl F. Schwab '42 U.S.N. Sinks Jap Tanker**

Naval Lt. Carl F. Schwab has been credited in news dispatches with the sinking of a Japanese tanker off the coast of Indo-China in a recent engagement by the U. S. Forces with the Japanese in that area.

Carl graduated in '42 in electrical engineering and immediately entered the Navy air force as an aviation cadet. He has to his credit numerous outstanding accomplishments in the air corps. Carl was forced to "go into the drink" in '42 when his gas supply ran short while returning from a bombing mission. He and his gunner were seen and rescued by a destroyer crew and subsequently delivered to their carrier, unharmed.

Carl was in Navy's air group 11, which destroyed 377 Japanese aircraft and 100,000 tons of shipping during a recent tour. The unit participated in 19 separate engagements, including the October fleet action off the Philippines and the January invasion of the China Sea. It was on Jan. 11 that Carl sank the Jap tanker in an attack off the coast of Indo-China when two enemy convoys were completely wiped out.

Carl has won the Distinguished Flying Cross and the Air Medal with Gold Star. He recently spent leave with his parents Mr. and Mrs. Carl Schwab in Kansas City. He and his wife, the former Maryle Mitchell, are now living at 2768 Elmwood road, Jacksonville 5, Fla.

**R. H. Boyd '45 Earns Postwar Planning Prize**

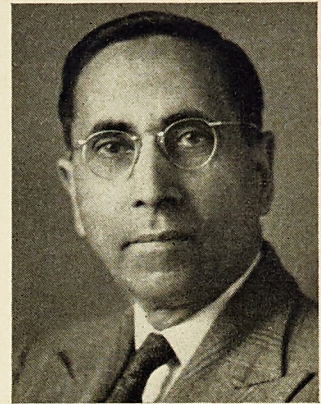
R. H. Boyd was winner of the sixth prize in a contest sponsored by the Construction Council of Missouri, of which E. C. L. Wagner of Jefferson City is Secretary-Treasurer, as the best letter written on the subject, "If I Were the Mayor of My Home Town." The contest dealt with postwar construction.

The judges of the contest were Mayor John B. Gage of Kansas City; Frank L. Mott, Dean of the School of Journalism at the University of Missouri at Columbia; Hugh Stephens, Chairman of the Board, The Exchange National Bank, Jefferson City; and Harry F. Thompson, Vice-President, General Material Company, St. Louis. A total of eleven prizes were awarded.

Boyd is a senior in civil engineering and will graduate on May 29.

**Shiv Raj '11 Visits Rolla**

Shiv Raj, Managing Director of the Traders Bank, Ltd., Lahore, India, visited Rolla on May 4 and 5 while making a business tour of the United States. He has come to the States for investigating possibilities for supply of raw materials and some new machinery for some of his factories in India. It was his first trip back to Rolla since graduation. His trip, inclusive of detention on the way, took him 17 days by air. When he came to Rolla from Lahore in 1907, it took one month and two days to make the journey.



SHIV RAJ

On graduating, Raj returned to India and first devoted his time to prospecting, and was later connected with the Tata Iron and Steel Company near Calcutta, the largest steel-producing plant in India. On leaving this company, he started on his own, and for some years was interested in coal mining and export of Mica, but later switched over to banking. In 1933 he started the Traders Bank, Ltd., in Lahore, of which he is now the Managing Director. He is also interested in several other industrial enterprises in India, some of which he organized himself, including the Electric Fan and Motor Mfg. Co., Ltd., the Punjab Safe Deposit Co., Ltd., Prem Electric Ltd., the Agricultural Machinery Co., Ltd., the Pindi Kashmir Transport Ltd. He is also director of the Mukand Iron and Steel Works in Bombay and is chairman of two distribution companies, and Indian Sewing Machine Co., Ltd.

In Rolla, after visiting with Dean Curtis L. Wilson, Raj visited with Howard Katz '13, Prof. F. S. Dennie, Prof. C. Y. Clayton '13, and with Fred Lane, all of whom were employed on the campus while he was a student here. He also went to the Rolla Cemetery and visited the graves of Dr. A. L. McRae, former director of the school, Prof. Geo. R. Dean, and Prof. E. G. Harris. Downtown he visited with Mr. and Mrs. Jno. W. Scott, Dr. and Mrs. S. L. Baysinger, Bob Heller, and other friends whom he remembered from his school days.

Speaking of the effect air transportation would have upon his country, he expressed the opinion that this annihilation of distances is going to mean that the East and the West are going to be brought much closer, not only physically but also in their ways of thinking. He expressed the hope of returning to Rolla in the not-too-distant future, and even stated that he would make an effort to attend the Diamond Jubilee of the school, to be held within the next couple of years, if war conditions permit.

Mr. Raj is married and has two sons and a daughter, and also has three grandchildren.

**George F. Gutshall Killed in France**

Word has been received from the parents of George F. Gutshall, an A.S.T.P. trainee here under the Army program, that he was killed in France recently. Details concerning the action in which George was killed here were not given.

George was here under the A.S.T.P. and was sent to France soon after his work under the A.S.T.P. was discontinued. Indirectly word has been received that a large contingent of the trainees here under the A.S.T.P. participated in the battle of the bulge in northern France last winter and that several of them were casualties. Full details have not been received concerning this action and it is not known whether George was one of the boys engaged in the battle of the bulge at this time.



### Francisco Ferreira '48 Awarded Silver Star



Left to right: Maj. E. C. Richardson, Francisco Ferreira, Col. A. R. Duvall

Francisco Ferreira, a freshman in Mining Engineering, from New Bedford, Mass., and a discharged veteran of World War II, was awarded the Silver Star for gallantry in action, the presentation being made by Col. A. R. Duvall, Post Commander at Ft. Leonard Wood, at a special assembly held in the auditorium of Parker Hall on May 9.

Francisco was discharged from the army on Nov. 21, 1944 and came to MSM under Public Law 346, commonly known as the GI Bill, for the education of honorably discharged members of the armed forces. Francisco is a member of Theta Kappa Phi fraternity and is chaplain of the Campus Veterans Association.

John A. Grevillius '48, commander of the Campus Veterans Association, presided at the assembly.

The citation reads as follows:

"For gallantry in action on July 1943, near\*\*and\*\*, Sicily, when all of the vehicles of a motorized section were hit by enemy fire, killing one man and wounding three others. After the casualties were removed to a shelter nearby, a volunteer was called to recover one of the vehicles so that the wounded men could be evacuated to an aid station. Private Ferreira voluntarily crawled through heavy machine gun and mortar fire to a damaged ¼-ton truck which was still running, and wheeling it about, he drove back through the enemy fire to the shelter, and successfully evacuated the wounded to a battalion aid station. The courage and determination displayed by Private Ferreira's gallant action are in accordance with the high traditions of the military service."

### Charles R. Hubbard '33 Released in Philippines

Word has been received from Miss Mary Ellen Hubbard, sister of Charles Hubbard, that Charles has been liberated from the civilian internee camp, Las Banos in the Philippine Islands on Feb. 23, 1945.

Charles was a mining engineer with the Elizabeth Mining Co., located at Paracale, Camarines Norte, Philippine Islands, at the time the Japs struck in 1941 and he and his wife, Christine Hubbard, have been interned as prisoners of the Japanese since January of 1942. They are now both safe and in fairly good health, although they have not as yet secured passage back to the United States.

Charles' present address is c/o his sister Miss Mary Ellen Hubbard, 311 South 13th street, Philadelphia, Pa.

### John H. Hell '33 Shot by Japs

John Howard Hell who has been a civilian prisoner at the Los Banos prison camp near Manila since the Japanese took over Manila in 1942 was shot and killed by a Japanese guard on Jan. 15, according to word received by his parents, Mr. and Mrs. Charles Hell, 503 East 10th St., Rolla. The information was transmitted to Mr. and Mrs. Hell by a friend of "Pat," a fellow internee and recently liberated from the prison camp and who witnessed the shooting.

"Pat" following graduation in 1933 spent some time mining in the Southwest and then went to South America with the Braden Copper Company. He returned to the Southwest in 1935 and did some prospecting for quicksilver. He went to the Philippines in 1937 and at the time the Japs took over he was connected with the Tuba Mines at Tagkawayan, Tayabas, Philippines. He was last back in the States in July of '41 and returned to the Philippines just before the Japs struck.

It was learned that "Pat" was very helpful to his fellow internees during the time they were held by the Japs. He was a good gardener and through the gardens which he grew they augmented their slender supply of food provided to them by the Japs.

"Pat" is survived by his wife and one son, Charles, who makes his home in Rolla with his grandparents. His wife, the former Agnes Shipp, came to Rolla on hearing of "Pat's" death to visit with his parents and her son.

### Nine Commencement Addresses by Faculty

Nine high school commencement addresses will be given by members of the faculty of the School of Mines and Metallurgy this spring, Dean Curtis L. Wilson delivering five of the addresses and Prof. S. H. Lloyd, four.

Dean Wilson talked at Vienna, Anutt, Dixon, Newburg, and St. James. Prof. Lloyd delivered the addresses at Birch Tree, Licking, Belle, and Owensville.

Dean Wilson reports that each year the high schools of this part of the state are coming in increasing numbers to the School of Mines for commencement speakers.

### Major H. B. Moreland Writes from Germany

Dean Wilson has received the letter reproduced below from Maj. H. B. "Ducky" Moreland.

3 May 45 Somewhere in Germany.

Dear Dr. Wilson:

As you see by the above I am in the thick of the excitement over here. The outfit left the States in October and we stayed in England about 6 weeks. I enjoyed our stay in England as I was very much interested in the English people and finding out why they did certain things. They are certainly to be admired for they have been through quite an experience. I had several opportunities to visit London and thoroughly enjoyed it. The weather while we were there was bad, rain most of the time and with the short hours of daylight it was pretty dark and gloomy.

We transhipped to France and went right to the Belgian Bulge. We helped to stop them and have been chasing them ever since. The winter spent in the bulge area seems like a nightmare. It was awfully cold with deep snow and shelter was hard to find as the area had been fought over twice in 3 months.

Our outfit had the dream of all military engineers fulfilled when we built our bridge across the Rhine. That is quite a river. I can't give you any more of the details now. The usual engineer jobs of war have fallen our lot such as clearing mines, repairing and corduroying roads, building all sorts of bridges and the ever present engineer reconnaissance work. All in all it has been a gratifying experience.

Give my regards to Mrs. Wilson and any faculty members who may remember me.

Yours truly,  
H. B. MORELAND.



### Placement of Men in Military Service

During the last two months School officials have been receiving requests from major companies for personnel records of alumni in military service, particularly members of the classes of '42, '43 and '44 who graduated and went immediately into military service without contact with industry. These companies, realizing that the next available supply of engineers is going to be these men of the armed forces, are contacting them looking forward to employing them after their discharge from the army.

Approximately 200 personnel records have been sent out and while not all of them have been contacted by industry, from carbon copies received by School officials, it is known that a number of them have been contacted and others will be contacted as their possibilities of discharge become greater. The home address has been given for these recent graduates and their military status shown insofar as known in Rolla.

It seems probable that for a considerable period of time these men in military service will be practically the only engineers available to industry. The School of Mines in 1942 granted 213 Bachelor degrees. This year, including January, May and August, the School will graduate only about 35. Even with the close of the war and the influx of students expected it will be perhaps four or five years before another graduating class of 200 can be expected. This is due to the fact that under the draft deferment policy, followed up until last April, boys in Engineering colleges were permitted to remain in school if they could graduate in two more calendar years. This meant, in a large measure, that those who left the Engineering schools were those who did not make satisfactory progress with their studies or who had not completed enough work to graduate in two more calendar years; and it will mean that those coming back to school will be at the start largely in the Freshman and Sophomore categories.

School officials suggest that those boys who have completed some of the work get back into school as soon as possible and complete the work for their degree, as there seems certain to be a definite shortage of men trained in engineering for a considerable time to come. Also, alumni in military service who have friends who have gone through the various army and navy training programs and who expect to return to school to finish work leading to a degree in Engineering, could do the school a service and industry also by pointing these men to MSM to complete their education.

Even at the best, however, it seems rather definite from surveys made by School officials that the first influx of students under the GI Bill and from those boys who have been employed in war industries and who take up their education with the closing of these war industries will be in the Freshman and Sophomore groups, with a limited number in the Junior and Senior groups. This will mean greater opportunities for men in military service who do not have positions to which they can return after the close of the war.

From inquiries received from younger alumni it seems many of them are expecting to return to school for a graduate program, in order to refresh themselves in their professional fields. Dean Wilson and department heads have given thought to this possibility, and have programs of graduate study in mind for these men.

Van H. Smith '10, 706 Royal Bank Building, Toronto, Canada, has written in detail to Dean Wilson concerning what is being done in Canada toward absorbing young mining engineers back into civilian life there. A portion of Smith's letter is quoted below.

"I believe a rather logical procedure (in Canada) is being worked out for returning the boys back to civilian mining life. I mention it because you might be able to start a similar scheme for the MSM boys. The scheme starts with the assumption that 50% of recent mining graduates will not return to mining — and secondly, that after four years at

### Commencement May 29

The annual Spring Commencement was held on May 29, with a total of 28 degrees conferred, including one Master of Science degree to James Francis Alexander Taylor, who finished his work in January, and two Professional degrees.

This is the smallest number of graduates since 1919.

The graduating exercises started on Sunday, May 27, the Baccalaureate address being given by the Rev. Ralph H. Hicks, pastor of the Methodist Church in Rolla.

On Monday evening, May 28, the annual reception for the students and parents was held at the home of Dean and Mrs. Curtis L. Wilson. The Commencement exercises were held May 29 in the auditorium of Parker Hall. Dr. Elmer Ellis, Vice-President of the University of Missouri at Columbia, gave the Commencement address. The subject of Dr. Ellis' address was "Leadership and the Educated Man."

### MSM Men on AIME Committee

MSM is well represented on the new Ways and Means Committee of the AIME which is to consider methods of increasing the income and reducing the expenses of the Institute. Of the twelve-man committee, three are MSM alumni. They are George A. Easley '09 and James L. Head '16 of New York City, and Irwin W. Alcorn '22 of Houston, Tex. Head is secretary of the group.

### Mark B. Burgher '06 Dies

Word has been received of the death of Mark B. Burgher at his home in Hannibal, Mo., sometime during the early part of 1945. Mr. Burgher graduated here in Civil Engineering and has been an engineer and contractor at Hannibal for the past several years.

### William Lawrence Rushmore Dies

W. L. Rushmore who graduated from MSM in 1927, majoring in electrical engineering, died of a heart attack in Tulsa, Okla., April 6. He was an engineer in the production department of the Gulf Oil Co. and had been employed by this company for the past eighteen years.

Lawrence was a member of Sigma Nu fraternity while in school and served as business manager of the athletic association. He was married on Oct. 17, 1933 to Miss Dorothy Kiesler, former secretary to Dr. Charles L. Fulton, who is remembered by many Alumni. Mrs. Rushmore was St. Pat's queen in 1927.

University, even with three or four years military service intervening that the need is for practical training in all phases of the mining work, rather than for more school work.

"We have in Ontario a mining association composed of managers and chief engineers of operating mines. The problem of rehabilitation has been put up to the mining association and they have agreed to take men, mining graduates, as they are returned to civilian life and give them a nine to twelve months training to include all branches of practical underground work — surveying — assaying — milling — geological work and cost accounting. A regular program will be laid out and the boys put through their course of training. Oh yes, I forgot to mention—safety and ventilation as well as steel sharpening—diamond drilling.

"It is thought that by the time the period of training has been completed, that the young men will again get the feel and rhythm of the industry and will be sufficiently back on their feet to then carry on in the branch of work in which they feel themselves more familiar."

Dean Wilson, in commenting upon Smith's letter, stated that ideas and suggestions from other alumni in industry would be appreciated. Also, that if any alumni who contemplate hiring young engineers after the close of the war would be interested in receiving personnel records of men in the service such records would be gladly sent upon request.



### Don Coolidge '43 Writes from India

A letter from Don Coolidge to Dr. A. J. Miles '30, head of the Department of Mechanical Engineering, contains items of interest concerning several Miners, and is reproduced below.

"Well—it seems a helluva long time since Jan. 19, 1943—even though Army life moves comparatively fast and furious. I have been with colored troops—engineer general service regiments—ever since June, 1943. All of us in the '43 R.O.T.C. class graduated from O.C.S. at Belvoir in April—I stayed there through May at a Mechanical Equipment School, where I first started my education on Army Engineer equipment. Finally came overseas with my present outfit last November—was lucky enough to be flown over—it was a wonderful trip. Was in India a short while, then moved up the Ledo Road into Burma.

"The work we're doing is interesting enough—road and airstrip jobs involving a 'slew' of heavy equipment. I'm on pretty familiar terms with Caterpillar Tractors, LeTourneau Carryalls and Rollers, Galion and Adams Graders, Buffalo-Springfield and Austin-Western Rollers, Cleaver-Brooks Boilers, Littleford Bros. Asphalt Equipment, Buckeye Shovels, etc. I may be a 1st Lt., but sometimes I 'get out and get under' to satisfy my curiosity, and end up the dirtiest looking grease-monkey in the Army. Ask Johnny Weidey about that—he's in the same type outfit I'm in—only over in France or Germany now.

"On the way into India, I ran into two Miners going out on rotation after 30 months here. One was Lt. Merritt Frances '41 (chemical) and the other Capt. A. W. Ford '38 (electrical).

"Since I've been here, I found out that two of my '43 classmates are in the vicinity—both in engineer aviation battalions. Art Peterson is about 162 miles north of me and Rene Rasmussen about 80 or 90 miles south. I've visited Pete, and am trying to get down Rasmussen's way now.

"Last I heard from Mazzoni, he was a 2nd Lt. in the Air Corps out at Hill Field, Idaho. Underhill is on a mine-sweep in the Atlantic while Fleischli is on the same type of boat in the Caribbean. Heneghan made Captain last October and is in Germany with combat engineers. Requarth was about to get his Air Corps wings in California last I heard, but the son-of-a-gun doesn't write any more—neither does Radcliffe, K.—a Navy pilot somewhere. Bill Anderson is in an Engineer Parts Supply Co. in New Guinea. Ed Gygas is on an LCI in the Pacific.

"Nothing much more I can think of to tell you. Life goes monotonously on over here in the Army Service Forces, and we're all just sweating out the end of the war or rotation—preferably the former."

### R. G. Knickerbocker '13 Heads Metallurgical Branch — U.S. Bureau of Mines

R. G. Knickerbocker was in Rolla on March 27 to 31 attending a conference of Bureau of Mines officials. Nick, who was recently stationed at Boulder City, Nevada, has been transferred to Washington and is now chief of the metallurgical branch of the U.S. Bureau of Mines, having charge of all metallurgical research in United States and Alaska. He has supervision of the ten divisional offices of the Bureau in connection with this metallurgical work. His visit to Rolla was in connection with the reorganizational plan put into effect by the Bureau. He is working under the immediate supervision of Dr. R. S. Dean '15, who is assistant director of the Bureau in charge of the metallurgical branch and the mining branch.

Also attending the conference in Rolla in March was Edward P. Barrett '09 who is chief of the Minneapolis division of the metallurgical branch of the Bureau of Mines and A. B. Needham '21 who is division engineer of the 6th Division of the U.S. Bureau of Mines at Austin, Tex.

### Back Home After Four Years in Pacific

Cpt. Chris M. Wattenbarger visited the campus May 16 on a 21-day leave from the army after more than four years spent in the Pacific area.

On graduation in May of 1941, Chris went through Fort Belvoir and then accepted a tour in the army and was assigned to Hawaii. He was at Schofield Barracks in Hawaii on Dec. 7, when the Japs struck and went through that attack on Pearl Harbor.

Chris remained in Hawaii until January of 1944 when the United States army offensive began in the Pacific. In January of 1944 he went to Kwajalein Island in the Marshall group with the Engineer Headquarter Construction group, landing on Kwajalein on D-Day plus one. Chris states that there was not too much excitement in that landing, except that each night the Japs would infiltrate their lines and the next morning they would have to beat the bushes to get them out. Chris spent two months on Kwajalein and then returned to Hawaii.

Three weeks later, in May of 1944, he left once more for the attack on the Marianas and was with the 27th Division. He landed on Saipan on D-Day plus five. Chris' organization went from Saipan to Tinian, landing there a little less than two hours after the attack started, going in with the Marine division. His unit was engaged in moving supplies from the ships to the beachhead and in the first landing three men in his boat were casualties—one killed and two wounded by a Jap sniper hidden in the rocks along the beach.

Chris remained on Saipan doing construction work for eight months, returning to the United States and arriving at his home at Lamar, Mo., on April 30. Chris is wearing two battle stars, and is also wearing the Unit Presidential Citation for his work in the Tinian invasion.

After twenty-one days at home, Chris will go to Hot Springs, Ark., for two weeks and then further reassignment.

### Three Miners in Spectacular Battles in Pacific

Three MSM men are playing important roles in the battles of the Pacific, two participating in the battle at Iwo Jima and the third one known to be engaged in the battle at Okinawa.

James Clover '43 was recently cited for his part in the battle for Iwo Jima. Jim's LST boat was the first and only one to reach the beach of Iwo Jima on D-Day plus one, operating under enemy artillery and mortar fire. Also the flag which was raised on Mt. Surabachi in the spectacular photograph that has since been a Pulitzer Prize winner, was taken from Jim's LST boat.

Another Miner participating in this battle was Harold Rueff ex-'42. Harold writes that the Navy's part in this battle was not too spectacular but his boats were used in the evacuation of the wounded and he stated that some of the Marines were badly shot up. His ship later participated in a second operation which he states was really a Naval battle and that he saw many a Jap plane shot down by ship's fire and by the U.S. Navy planes. "Just a big ball of flame like in the movies," Harold states.

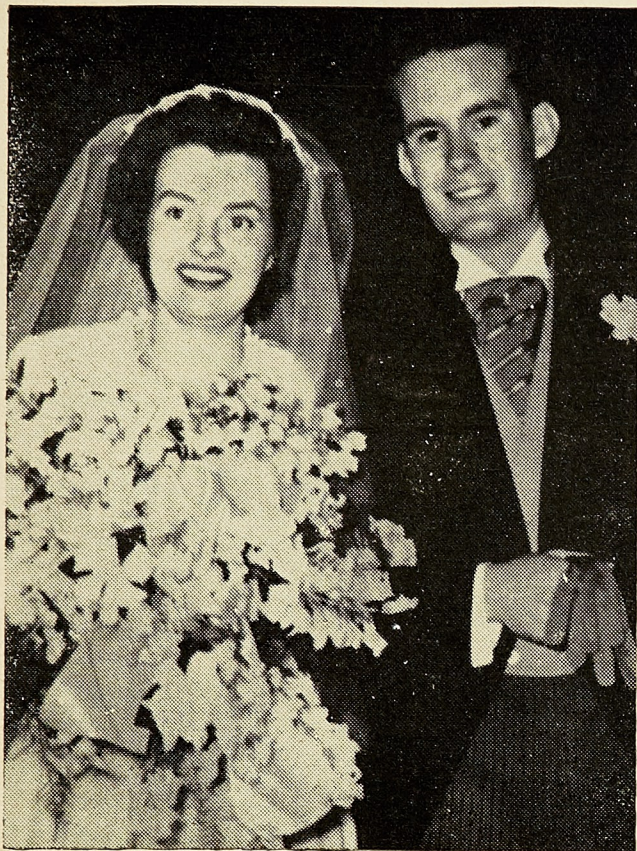
A third miner on Okinawa is Russell Frame ex-'44, son of Prof. and Mrs. F. H. Frame in Rolla. Details concerning Russell's experience have not yet been received and will be carried in a later issue of the Alumnus.

### Edward P. Dwyer '95 Dies

Word has been received of the death of Edward P. Dwyer of the class of 1895. The word came through an inquiry made by Dean Wilson asking Mr. Dwyer if he could be present for the Spring Commencement in 1945 and receive his 50 year alumnus badge. In response to Dean Wilson's letter a letter was received from Edward P. Dwyer Jr., Mr. Dwyer's son, now a Corporal in the Air Corps, advising Dean Wilson that his father had passed away on May 13, 1941. The details concerning his death were not given.



## Weddings



Courtesy St. Louis Post-Dispatch

Robert Walsh Roos was married on April 21, 1945, to Miss Margaret Quinn, daughter of Mr. and Mrs. Francis X. Quinn, of 4007 Magnolia place, St. Louis, Mo. The wedding took place in St. Margaret's Church, St. Louis. Bob was graduated from MSM in Jan., 1944, in chemical engineering. He is a member of Theta Kappa Phi fraternity. While in school he served on the Miner Board, was a member of Alpha Chi Sigma, A.I.Ch.E. and Alpha Psi Omega. He is now employed by the Koppers Company at Rochester, Pa.

Robert L. Cunningham and Miss Margaret McKim Harrison were married on May 1, 1945, at the First Presbyterian Church in St. Louis. The bride is the daughter of Mr. and Mrs. James S. Harrison, 7316 Lindell Blvd. Bob graduated from MSM with the class of 1934, and is employed by the Western Cartridge Co., Alton, Ill. Mr. and Mrs. Cunningham will live at the Hutcheson Arms apartments.

Eugene Ruttle '42 with his bride the former Miss Loretta Fithian visited the campus on their honeymoon on May 3. Eugene and Loretta were married in the Immaculate Conception Church at Washington, Pa., on April 30, 1945.

Eugene was one of the first students from MSM to go with the Pittsburgh Coal Co. under their plan of taking undergraduate engineering students and employing them during the summer months that they might gain experience in the coal mining business before graduation. On graduation Eugene went with the Pittsburgh Coal Co. and has been with them ever since. His home address is Liberty, Pa.

Word has been received of the marriage of Osborne Milton '44 to Miss Martha Marie Sweikert on Sunday, March 4, 1945. The ceremony took place at Baltimore, Md., where Osborne is undergoing training in X-Ray Engineering Application at the Westinghouse X-Ray division.

Osborne was active on the campus of MSM being a member of Sigma Nu fraternity, president of the photography club and also participating in intra-mural sports, winning the second award in wrestling in 1939 and 1940.

On graduation Osborne joined Westinghouse Electric Company and is taking training in their X-Ray division at Baltimore preparatory to proceeding to Denver, Colo., where he will represent that company as an X-Ray Application engineer.

John Stegner '44 and Miss Helen Rich were married on May 10, at Marshall, Mo. Miss Rich was former mathematics teacher in the Rolla High School. John is mechanical engineer with the Moraine Products Division of General Motors. Johnny and his wife visited the campus on May 14. They will be at home after May 18, at 734 Ferguson, Dayton, Ohio.

## Bread Cast Upon the Waters

(Reprint of an article in Missouri Miner, May 15, 1945)

Without a doubt the people of our town will erect a plaque or memorial to those who died. Their intentions, like the intentions of all towns that erect such memorials, are of the highest order, but they seem so futile after the passing of a few years. The city of Rolla is in the unusual position of being able to erect a suitable, a unique memorial to its dead heroes. The City of Rolla, can, if it so chooses, erect a living memorial,—one that can do good for many, many people—and with little effort or cost to the individuals.

The last issue of the MSM Alumnus announced that the class of '42 had started a Memorial Scholarship Fund to be known as the John C. Rayl Memorial Fund. The School Office recently revealed a letter from Lt. W. F. McConnell '42 who urged that a "MSM Alumni War Memorial Scholarship" be promoted so that the most fitting type of memorial be had. And money is coming in each week from members of the class of '42 to be added to the fund.

There is your cue, Rolla. There already is started a truly living Memorial to the Great War II. No more fitting trib-

## New York Group Meets

The bi-monthly luncheon of the New York section was held on May 14, according to word received from James L. Head '16. A newcomer at the luncheon was Robert C. Zevallos '24, who came to MSM from Calloa, Peru but never returned to his country. Since graduation he has been engaged chiefly in advertising and publicity work and is at present engaged in publicity work for the Curtiss-Wright Corp., at Caldwell, N.J. The next bi-monthly luncheon will be held at the Mining Club on Tuesday, July 10. Miners in the vicinity of New York wishing to attend should contact James L. Head, Chile Exploration Company, 25 Broadway, New York.

ute to your lost sons can be made to help another son through school—something that each and every son in the country has an undeniable right to, but, alas, not always the money necessary.

You, through your civic organizations, can support a Memorial Fund drive. The School can be represented in this effort through the dormant Blue Key or APO organizations. Such an arrangement should be agreeable.



## Alumni Personals

1895

Evans W. Buskett is Senior Analyst, Military Chemical Co., Pittsburg, Kan. His home address is 2501 Pennsylvania Ave., Joplin, Mo.

S. J. Gormly has written to Dean Wilson expressing his regret at his inability to be present at the 1945 Commencement to receive his Fifty-year Alumnus Medal. Mr. Gormly writes that he still has fond memories of MSM but due to defective eyesight it will not be possible for him to make the trip.

J. E. Kirkham is at present living at Mercedes, Tex., Box 243. Mr. Kirkham expressed regret at his inability to be present for the 1945 Commencement to receive his Medal as a Fifty-year Alumnus. He is still a member of the faculty of the Oklahoma A & M College at Stillwater but temporarily living at Mercedes, Tex., on his citrus ranch, where he is engaged in writing books. He will return later to the A & M College with the increase in enrollment there following the war.

1898

Arthur D. Terrill visited the campus on April 20 and 21. He was here in connection with the meeting of the St. Louis section of the American Institute of Mining & Metallurgical Engineers.

1899

Edwin T. Perkins is with the U.S. Bureau of Mines at Rolla, Mo., as Mining Engineer. His home address is 807 Park Ave.

1902

Capt. Tom L. Gibson ex-'02 is president of the Mississippi Gridiron Club and editor of the Clarksdale Daily Press. Tom writes from Clarksdale extending greetings to the old timers who remember him and also an invitation to a night's lodging on his plantation to any Miners who happen to be in Mississippi and in the vicinity of Clarksdale. Capt. Tom writes that they must not pass him by.

1903

Frank R. Bell is associated with the National Zinc Company at Bartlesville, Okla.

1905

Clarence Woods has retired from his mining operations in Peru and is living at 601 S. Van Ness Ave., Los Angeles, Calif.

Ray Hoffman spent two days in Rolla in the latter part of April conferring with officials in the Missouri Geological Survey.

1906

R. H. Bedford is now living at 47 Ellenwood avenue, Los Gatos, Cal.

1907

W. P. Hatch, Architect and Engineer, resides at 235 Beach street, Quincy 69, Mass.

Aubrey Fellows has returned to his old home town and is engaged in a hatchery and stock farming. He writes that he is sorry to see so many of the class of 1907 deceased.

1908

C. R. Wood is now living at Buffalo, Wyo.

1909

W. McElroy is now with the Pacific Gas and Electric Company, Station "D," 1625 Clay St., Oakland 12, Cal.

1910

John L. Pickering is associated with S. S. Kresge Company, Detroit, Mich.

J. D. Harlan is living at 1283 E. So. Temple, Salt Lake City 2, Utah.

1911

James K. Beach is now living in Dallas, Tex. Jim writes that his four years in Rolla starting in 1907 and ending in 1911 were perhaps the happiest years of his life. On graduation he went first in Old Mexico and later became connected with the Liquid Carbonic Corporation, large manufacturers of liquid carbon dioxide and solid (dry ice). For the past nine years, Jim has had charge of the Southwest with the District Office at Dallas and the branches at Oklahoma City, Fort Worth, Houston and San Antonio. In his travels he runs into "Miners" from time to time, among the recent ones, Ted Lynton '12, and Roy M. McBride '14. Jim's business address is 1118 Jackson street, Dallas, Tex.

Mrs. Eva Hirdler Greene visited the campus on May 14. Mrs. Greene had been in St. Louis for a conference with Shiv Raj and looking after certain business interests in the middle West. Her home is at 320 South Manhattan place, Los Angeles 5, Cal.

1912

Mr. H. F. Adams is with the Inspiration Consolidated Copper Co. as a mill superintendent. His home address is Box 354, Inspiration, Arizona.

Joseph S. Irwin is a consulting geologist, 812 Lancaster Building, Calgary, Alberta, Can. His home address is 2106 Seventh street W.

Ted Lynton has been transferred by the Standard Oil Co. of California to San Francisco and gives his permanent address as c/o The California Research Corp., 200 Bush St., San Francisco 4, Cal.

Alex Grosberg is vice-president and treasurer of Velvet Freeze, Inc., 3218 Gravois boulevard, St. Louis, Mo.

James Chase is county engineer as well as city engineer of Logansport, Ind. He is living at 829 North St., Logansport. He is first class president of the Indiana Association of County Surveyor Engineers and a member of the Indiana chapter of the National Society of Professional Engineers. Jim writes expressing an interest in attending the meeting of the Chicago section.

1913

James Hopkins is now residing in Carlsbad, New Mex., at 318 North Church St.

Richard A. Wagstaff is metallurgical engineer for the American Smelting and Refining Co., 700 McCormick Bldg., Salt Lake City, U.

1914

John M. Webster is vice-president of the Outlaw Trading Post at Winner, So. Dak. John writes that he hopes to have his fifteen year old son enroll at Rolla in due course and follow in his daddy's footsteps at Sigma Nu fraternity. John is just finishing a \$65,000 building to house his business at Winner.

G. F. Metz is district manager of the Hardinge Co. in York, Pa.

Roy N. McBride is with the First National Bank in Dallas, Tex. Roy wrote April 16 giving new address for two of the alumni who were on the "lost" list.

Dr. Mervin J. Kelly, Executive Vice-President of Bell Telephone Laboratories, New York City, has been elected to membership in the National Academy of Science.

1916

A. T. Dunham is a mechanical drawing teacher at the Senior High School in University City, Missouri.

Robert S. Burg is in Los Angeles, Cal., at 173 S. Anita avenue, Village Sta.

C. E. Peterson is in London on business for the Foreign Economic Administration in connection with contracts for the purchase of tin concentrates for smelting at the plant in Texas City, Tex.

Walter Gammeter was erroneously reported in the March issue of the Alumnus as living at Whitefish Bay in Wisconsin. Walter has been for many years living at 3320a Wyoming street, St. Louis. He is assistant principal of the Roosevelt High School.

1917

J. G. Reilly, for many years general superintendent of mines for the Cia de Real del Monte y Pachuca, at Pachuca, Hidalgo, Mex., has been appointed sub-director of the company.

Maj. Howard T. Teas, Corps of Engineers, has returned to this country after service in New Guinea and on Leyte Island in the Philippines. He has been undergoing hospital treatment at the end of which he expects to be reassigned. His permanent address is 73 Stevens street, Freeport, N.Y.

Floyd D. James gives his address as c/o Myles Standish, Bay State road at Beacon St., Boston 15, Mass.

1919

Paul D. Kern is living at 905 North Canal, Carlsbad, New Mex. Paul's son, P. D. Jr. has written to MSM concerning his enrollment here after he was graduated from high school.

1920

John L. Howendobler is now living at 1546½ W. 53rd street, Los Angeles, Cal.

George Burnet is employed as engineer at the Headquarters of the Seventh Service Command, R. & U. Branch, Omaha, Neb. His home address is 955 South 17th street, Fort Dodge, Ia. He recently wrote extending regret of his inability to attend the reunion of the class of '20.

1921

Lt. Col. Homer A. Hollingshead is at present Post Engineer at Belle Meade, A.S.F. Depot, Belle Mead, New Jersey. He has recently returned from two years of construction work in the South Pacific Islands.

1922

James M. Forgotson gives as his address 611 City Bank Bldg., Shreveport, La.

Donald F. Urdike recently of Pine Ridge road, Greenwich, Conn., is with the Alconia Packing Association at Ft. Meyers, Fla.

Lewis E. W. Lepper is Major in the Quartermaster Corps of the U.S. Army.



## 1923

Milton L. Dorris was in Rolla during April en route to Alton, Ill., where he will work for Western Cartridge Co., having resigned his position with the Kennecott Copper Co. at Hurley, New Mex.

Frank I. Henderson is associated with the Insurers Service Corporation, 320 N. 4th St., St. Louis 2, Mo. He resides at 7119 Tulane Ave., St. Louis 5, Mo.

Virgil L. Whitworth is a First Lieutenant, APO No. 885, c/o Postmaster, New York City. Virgil is with the Aerial Photographic Department in the CBI theatre.

Henry G. Hubbard has moved to 1060 Mills Tower, San Francisco 4, Cal.

Jean P. Bryan is associate engineer with the U.S. Engineers Division Office at 10 E. 17th St., Kansas City, Mo. His home address is 233 W. Franklin, Liberty, Mo. Jean writes that he has been in Edmonton, Canada, building air bases and has just completed over four years of work on government war projects and is now planning for postwar projects. He is working under Julian G. Huckins '23 who is supervisor of the Relocations section of civil planning section and they have had many interesting discussions of old times at Rolla.

Julian G. Huckins is supervisor of the Relocations Section, Civil Planning Section of the U.S. Engineers in Kansas City. His home address is 4507 Roanoke Parkway, Kansas City.

Earl H. McAlpin is mining engineer with Columbia Coal Mine, at Columbia, Utah.

"Pluto" C. R. Cameron and Degen Boyd '26 are operating coal mines for the McAlester Fuel Company at McAlester, Okla.

## 1924

J. E. Jett is living at 408 Sue street, Houston, Tex.

George Gabler is connected with the Great Lakes Carbon Company at 33 N. Michigan Ave., Chicago, Ill.

## 1925

Leonard O. Williams is Captain in the Medical Corps and has been serving overseas for the past year and one-half, being at this time somewhere in Germany. His home address is 2722 Warren Ave., Cheyenne, Wyo.

C. N. Valerius is associated with the Barnsdall Oil Co., at Shreveport, La. His home address is 648 Ratcliff street.

Alpha Lanoy Cook is associate highway engineer with one of the government agencies in Washington, D.C. His home address is 1218 Fourty-fourth Pl. S.E., Washington, D.C.

Phil F. Martyn is chief geologist with the J. S. Abercrombie Company, Gulf Building, Houston, Tex.

## 1926

Lt. Col. Daniel Kennedy is with Engineer Section, Hdqtrs., 3rd, APO 403, New York. His home address is 1808 Vichy road, Rolla, Mo.

Paul A. Smith is with the U.S. Engineering Corps, Wright Bldg., Tulsa, Okla.

Harold A. Murphy is with L. Cedric Macabee Engr. Co., Navy Munition Storage, Concord, Cal. His home address is 3009 Filmore street, Alameda, Cal.

Mike Ledford sends a few words from Houston, Tex. He is with the Houston Drilling Corporation.

Lt. Col. Dryden Hodge writes from an APO in San Francisco, Cal. that he is being returned to the Command and General Staff School, Fort Leavenworth, Kan. for the 23rd Class, March 19 to May 25, 1945.

John W. Merrill is Engineer in Charge of Production for the American Bakelite Corp., Brownsburg, N.J.

E. H. Griswold has changed his mailing address from Box 1801, Midland, Texas, to 1000 North A street, Midland, where he is a petroleum engineer and oil producer.

E. M. Linderau has returned from Bolivia and is connected with the U.S. Bureau of Mines at Salt Lake City, Utah. His home address is 315 S. 13th East, Salt Lake City 2, Utah.

C. T. Jones is now with the Stanlind Oil & Gas Co., and lives at 510 E. Peoria avenue, McAlester, Okla.

## 1927

Herman Blickensderfer is teaching in the department of Civil Engineering at the University of Texas at Austin, Tex. His home address is 100 E. 15th street, Austin, Tex.

E. R. Seivers is Mineral Examiner, U.S. Department of Agriculture, Forest Service, Albuquerque, New Mex.

Roy J. Gunther is superintendent of the Frazier-Davis Construction Company, 1020 S. 6th street, McAlester, Okla.

Joseph H. Reid of New York City, has returned from a business trip to Brazil and Argentina for the National Lead Co. Mrs. Reid accompanied him on the trip.

M. V. Healey was the principal speaker before the Eastern New York Chapter of the American Society for Metals held in Albany, N.Y. on April 10. His subject being "Steel Castings." Mike is a metallurgical engineer with General Electric Company in Schenectady, N.Y.

## 1928

Edwin S. Perkins ex-'28 is plant engineer for Eagle-Picher Lead Co. at Joplin, Mo. He resides at 1714 Picher avenue, Joplin.

Ronald D. Ward is with Shell Oil Company, Houston Refinery, Houston, Tex.

Phillip J. Boyer left the Ringwood plant of the Alan Wood Steel Co., where he was mill superintendent, on Nov. 1, 1944, to become general plant superintendent of the Scotia Mining Co., State College, Pa. The iron ore mine and mill is about completed and scheduled for operation in March.

Monte Ledford is with the American Rutile Company at Rosalend, Va.

Dr. Sam Grantham is a Lt. Commander in the USNR. His home address is 424 Byers avenue, Joplin, Mo.

Howard Histed gives his address as 1826 Morasa street, San Francisco, Cal.

William K. Scheickhardt is in charge of the Chicago Sales Office of the Walsh Refractories Corporation of St. Louis, Mo. The new office is to be located in the Midland Building, 176 West Adams street, Chicago 3, Ill. Bill writes that he enjoyed the last issue of the Alumnus which he pronounced one of the best that he had seen issued.

Henry Emmett Gross has joined the staff of the Kingwood Oil Co., Effingham, Ill., to handle their petroleum engineering work. He had been chief of the reservoir engineering section of P.A.W. District 2, Chicago, having worked with that agency since our country entered the war. His home address now is 217½ Lawrena, Effingham, Ill.

Lt. Col. Charles W. Ambler Jr. is now stationed at Fort Leonard Wood, Mo., after having been overseas for some time. His address is now 9834th Technical Service Unit, Corps of Engineers, Detachment No. 2, Fort Leonard Wood, Missouri.

## 1929

Boris Daniloff is chief metallurgist, Planning Section, U.S. Naval Drydocks, Hunters Point, San Francisco, Cal.

William L. Couch is with the firm of Vaughn & Kirkpatrick, Burlington, N.C.

Maj. Harlow G. Jones is on foreign assignment. His address is APO No. 126, c/o P.M., New York, N.Y.

## 1930

W. H. Rollman is with Westinghouse. He is spending several months in East Pittsburgh and other plants after which he will be assigned to the St. Louis engineering office and will handle distribution problems.

J. W. Graybeal gives his address as Box 1600, Midland, Tex.

## 1931

J. N. Conley is with the Seaboard Oil Company of Delaware, Box 601, Corpus Christi, Tex. His home address is 3110 S. Alameda.

Lt. Col. Maurice E. Suhre has returned to the United States after nearly two years service in India. His present address is c/o Professor Underwood, Vichy road, Rolla, Mo.

Loren A. Wilson has been discharged from the Army in which he held a commission as

Major and is now chief of the Physical Sciences and Skilled Trades Placement Section of the U.S. Civil Service Commission located in the New Federal Building, St. Louis, Mo.

## 1932

Rex T. Horn is employed as an assistant electrical engineer by the St. Joseph Power and Light Company. His home address is 520 Francis street, St. Joseph, Mo.

Capt. Joseph E. Stevens writes from somewhere in Belgium that they are carrying on over there, despite oceans of mud. He is with a Combat Engineers group, but says that sometimes they have to dig in and fight as infantry.

Lt. (jg) John I. Moore gives his address as c/o Navy Petroleum Reserve No. 1, Tapman, California.

Capt. W. T. Kay is with Co. D, 34th Bn., A.S.F.T.C. at Fort Leonard Wood, Mo.

Willard A. Gallemore is a Lieutenant in the Army Air Forces. His number is 4136, c/o Postmaster, Miami, Fla.

Fred J. Schmitt visited the campus on April 3. Fred is with the D. A. Stuart Oil Co. as Sales Manager with a business address of 2727 South Troy street, Chicago, Ill. His home address is 524 South Stone avenue, LaGrange, Ill.

J. Russell McCarron is living at 515 West Beechtree lane, Wayne, Pa.

## 1933

Lt. Charles R. Rosenbaum is now seeing overseas service. His APO number is 469, New York, N.Y.

Maj. Charles H. Lambur has APO address No. 650, New York City.

Russell Edgar and Mrs. Edgar, 1421 S. Oak street, Bartlesville, Okla., announce the arrival of a new boy born the latter part of April.

Maj. T. O. Seiberling is still with the Military Police Bn. stationed in Paris. Ted writes that he has recently seen Maj. Sam Post and Capt. Fred Davidson in Paris. Ted expresses the desire to be back in the Ozarks and enjoy the peace and quiet of the Ozark countryside once more.

C. E. Achuff visited the Ceramic department on the campus on April 19. Charlie is service engineer with the Glass Refractories Division of the Laclede-Christy Clay Products Co. in St. Louis.

## 1934

Walter H. Bruening has changed his address from Pine Bluff, Ark., to 129 Carrollton, Shreveport, La.

Maj. Peter G. Cei recently of Camp Bowie, Tex., has APO No. 3, New York City.

Fred W. Hurd writes after a long silence that he is Assistant Professor, Research Assistant in Transportation, Yale University. He gives his home address as 122 Mather, Hamden, Connecticut.

Maj. Ray I. Brasaemle is serving with the Engineering Corps, with an APO, New York City, address. He may be reached through his home address, 581 Orchard avenue, Barberton, Ohio.

T. J. Stewart is with the George S. Mepharm Corporation at 2001 Lynch avenue, East St. Louis, Ill. His home address is 39 Windsor drive, Belleville, Ill. Tom visited Rolla on April 20 and 21 and while here addressed a joint session of the Student Chapter of the American Institute of Chemical Engineers and the American Institute of Mining and Metallurgical Engineers.

Ralse W. Simpson lives at 257 Woodbourne, St. Louis, Mo. He is Supervisor of the U. S. Naval Training School, Hadley Technical High School, St. Louis.

## 1935

Comdr. Thurber W. Boyer has changed his address from OTS TT-2, NAS, Pensacola, Fla., to 2527 N. Lexington St., Arlington, Va.

Herbert G. Mortland is somewhere in the armed service, but mail will reach him at 7720 Shirley drive, Clayton, Mo.

Lt. C. J. Thorpe visited the campus on April 2. Claire was formerly associate professor in Mechanical Engineering at MSM before joining the Navy.



## 1936

R. E. Schneider visited the campus on March 22. Ralph has his own business in Edwardsville, Ill., as oil operator. His company is known as the '36 Company.

Milton Lagemann is employed by the Western Cartridge Company, East Alton, Ill. His home address is 5434 Queens avenue, St. Louis 15, Mo.

George H. Bruening is Project Engineer (irrigation) with Farm Security Administration, U.S.D.A. His home address is 710 Second avenue East, Williston, So. Dak.

William E. Dennis is with the U.S. Bureau of Mines, Austin, Tex.

Lt. James H. Menefee is serving somewhere overseas. His APO number is 744, New York, New York.

## 1937

Oscar E. Grewis is now a Major in the army somewhere in the Philippines, according to word received from his father. He also reports that earlier in the war he met Harry Stella ex-'39, somewhere in New Guinea, and that Harry is now a Lieutenant Colonel.

J. S. Brooks Wolfe is working on synthetic rubber, development work for the B. F. Goodrich Company in Akron, Ohio. His present address is 930 Work drive, Akron, Ohio.

Wilfred K. Rodman, Public Health Engineer, Missouri State Board of Health, is now living in St. James, Mo.

Harold N. Ottinger is in Midland, Tex. His postoffice address is Box 362.

Lt. Walter L. Holz is with the 7th Engr. Tr. Group, at Ft. Leonard Wood, Mo.

Ervin A. Brecke is associated with the Mahoning Mining Co., Rosiclare, Ill.

Kenneth F. Sheckler, former manager of the Metropolitan Refractories Corp., at Brooklyn, N.Y., but in the army since 1941, is now Captain, Third Service Command Headquarters, Service Command Control Division, Baltimore, Maryland.

## 1938

Beverly W. Koepfel is working for the Seismograph Service Corp. of Delaware, and gives his present mailing address as Apartado 1488, Caracas, Venezuela, S.A. His home address is 39 No. Benton St., Cape Girardeau, Mo.

Lt. James G. Miller is with the Army Air Force Base Unit, Lambert Field, St. Louis, Mo.

Frederic A. Wonn is Industrial Engineer with E. I. du Pont de Nemours & Co. His home address is 214 Westfield avenue, Elizabeth, N.J. Maj. Frederick W. Thompson has been awarded the Purple Heart for a bullet wound which he received in his right hand, while with the Third Army in Germany. His wound is not serious. Maj. Thompson's wife lives at 13 Great Oaks in Rolla.

Harry W. Kuhlmann gives as his address 118-14 83rd avenue, Apt. 3-6, Kews Gardens 15, Long Island, N.Y.

W. P. Ruemmler is Research Engineer with the Battelle Memorial Institute at 503 King avenue, Columbus 1, Ohio.

Robert V. Jones is living at 2925 Foster Dr. N.E., Warren, Ohio.

## 1939

John J. Parker is associated with the Aluminum Company of America, Cleveland, Ohio. His home address is 345 So. Island avenue, Rocky River, Ohio.

Robert L. Gardner is 1st Lt., C.E., U.S. Army, Engr. Sec. ASF Depot (Class) Camp Haan, Cal. His home address is 3623 Chestnut street, Riverside, Cal.

Lt. (jg) Basil C. Compton is located at 122-11 Newport avenue, Rockaway Park, New York.

Ray E. Hoffman Jr. is living at 201 Abbott road, Apt. C-33, Radburn, N.J.

Richard R. Hynes, formerly of Pittsburgh, Pa., is now connected with the Westinghouse Electric Mfg. Co., Oregon and Mills street, El Paso, Tex.

1st Lt. Abraham Bursten is with the 900th AAFBU, Orlando, Fla.

Lt. (jg) James R. Gentry gives a change of address. He is now living at 715 Morris avenue, Bryn Mawr, Pa.

Lt. (jg) George A. Peschke, USNR, gets his

mail through the Fleet Post Office, San Francisco, Cal.

Maj. Robert M. Stewart is now stationed at the Charleston Army Air Field, Charleston, S.C.

John Berwick visited the campus on April 20 and 21. John was interviewing seniors in metallurgical engineering for possible employment by the Western Cartridge Co. at Alton, Ill., where John works in the research laboratory. He also attended the St. Louis section of the AIME meeting here on April 20.

Elmond L. Claridge and Mrs. Claridge, the former Ruth McDowell of Rolla, announce the arrival of their second son, Jonathan McDowell, born on April 12, 1945. Elmond is with the Shell Oil Co. at Woodriver, Ill., and is living at Roxana, Ill.

John O. Campbell Jr. is with the Carter Oil Company at Tulsa, Okla.

Capt. Fred W. Heiser is connected with the 8th Air Force Bomber Station in England and recently participated as acting command pilot in the lead plane in an attack of the 385th Bomber formation against the submarine pens at Hamburg, Germany. The group laid their pattern of bombs squarely on the target. Capt. Heiser was formerly with the Derby Oil Co., at Wichita, Kan., as petroleum engineer before entering the army.

## 1940

John F. Reed is living at 116 Chestnut street, Bridgeport 4, Conn., where he is industrial plant engineer for a large eastern manufacturing company.

Harvey W. Ladd is a Captain in Air Corps stationed at Lubbock Army Air Field, Lubbock, Texas.

Lt. (jg) Powell Dennie spent leave in Rolla the latter part of April visiting his parents, Professor and Mrs. F. E. Dennie. Powell is in the Air Transport Command and left Rolla to report to San Francisco for duty.

Capt. Bob Klug is on foreign assignment, his address being APO No. 403, c/o Postmaster, New York, N.Y.

S.1/c Steve Braun is stationed at the Navy Pier in Chicago. His address is NTS Co. 21-23.

Capt. Les Payne is C.O. of B. Company of the 551st S.A.W. Bn., APO 706, c/o P.M., San Francisco, Cal.

Capt. H. J. Andresen is on foreign assignment. His address is No. 244, c/o P.M., San Francisco, Cal. Andy writes that he has seen numerous "Miners" in his meandering around the Pacific. Also, that last September he was married to Joyce Hicks of Waynesville, whom he met at the MSM Military Ball in 1941 when she and Connie Windsor, now Mrs. Bob Klug, were schoolmates at Springfield. Andy has had many interesting experiences in his military work in the Pacific and is now Bn. Adjutant with a rank of Captain. He has done construction work at Oahu, Hawaii, on Kwajalein and Engebi in the Marshalls and also for a time at his present assignment before becoming Battalion Adjutant. Andy writes that he has seen Rex Alfred '40, Capt. Chris Wattenbarger '41, Maj. Bill Ellis '39, and many other "Miners."

2nd Lt. Robert N. Lorange was navigator on one of the flying fortresses that recently attacked one of Germany's largest Ordnance Depots at Gustrow, in north central Germany, flying in support of the Russian armies on the eastern front. Bob was a member of Lambda Chi Alpha fraternity on the campus and served as President of the ASCE society.

Lt. Col. Kenneth Wilhite ex-'40 is seeing overseas service, with APO address 140, c/o Postmaster, New York City. His home address is 7801 Kingsbury avenue, Clayton, Mo.

R. W. Hanes is a Lieutenant in the Navy on duty on a baby flat top in the Pacific. Bob was married in May and his wife is living in Stn Diego, Cal.

John S. Markley is metallurgist, Sheet Division of the Gary Sheet and Plate Co., Gary, Ind. His home address is 131 E. 5th street.

Lt. (jg) Frazier M. Stewart is now back in the States and is at the Post-Graduate School, Aerological Engineering, U.S. Naval Academy, Annapolis, Md.

J. C. Leslie is with the Cooperative Refinery Association at Coffeyville, Kan.

Eugene L. Olcott is with General Electric Company. His address is 1348 Union street, Schenectady, N.Y.

Ens. Paul T. Dowling is stationed at the Naval Ammunition Depot at Hastings, Nebr., working in the ammunition department. Paul's address is 318 East 7th street, Hastings, Nebr.

Lewis E. Sears is an industrial hygienist with the Pratt & Whitney Aircraft Corporation of Missouri at Kansas City. His home address is 3011 E. 37th street, Kansas City 3, Mo.

Capt. Wm. H. Burgin, formerly with the Utah Copper Company is now with a Bomber Squadron on foreign assignment. Bill writes that he is group engineering officer of the squadron and that he has "transferred his affection" from the B-24 liberator to the B-17 flying fortress. He recently ran into Capt. Brackbill '41, who is squadron engineer officer. Bill may be addressed at his home, 1005 N. Jefferson Ave., Springfield, Mo.

Maj. Norman Tucker has now returned from Italy and is visiting his mother in Rolla.

Lawrence R. Hinken is now with the Universal Oil Products, being stationed at their home office at 310 So. Michigan avenue, Chicago, Ill. His home address is 236 S. Spring avenue, La Grange, Ill. Lawrence wrote recently sending Alumni dues and an additional contribution to the Hinken Loan Fund. He states that he is now the father of a boy born on Feb. 18, 1945. Lawrence writes that he has met Johnny McDonald '39, Clifford Boutin '41, recently in his travels about the country.

## 1941

Lt. (jg) A. C. Pautler is now in the Marines. His address is V.P.B. 133 c/o Fleet Post Office, San Francisco, Cal.

Jason M. Patrick is now an ensign in the Navy and has been overseas since January 15. Jason is with the 11th Construction Bn., his address being c/o Fleet Post Office San Francisco, Calif. His wife is living at 3125 Sheridan Blvd., Denver 14, Colo.

Capt. Nathan Jaffe is in Germany.

Cpl. Herbert A. Volz is in the Marines. Herb visited Rolla on April 20 enroute from Corpus Christi, Tex., to M.C.A.B. Cherry Point, N.C., where he will be stationed for the time being.

Lt. Floyd Elliott is on the U.S.S. Dale, c/o Fleet Post Office, San Francisco, Cal.

Bill Nestley is with the Air Force Weather Service and recently received a Master's degree in Meteorology at the University of California, while holding an assignment in the Army.

William C. Alsmeyer visited the campus on May 2. Bill is with the Goodyear Aircraft Corporation as senior stress analyst. His home address is 410 Wildwood avenue, Akron, Ohio.

Capt. Virgil O. Becker is now stationed in France. His home address is Baden Station, St. Louis 15, Mo.

Maj. Roy W. Graves Jr. is with the 472nd Sub-depot c/o Postmaster, New York, N.Y.

Lt. Harold John Schroeder was married on Sept. 7, 1943 to Miss Elizabeth A. Runge at the Grace Lutheran Church in Green Bay, Wisconsin. Harold received his commission as 2nd Lt. at the University of Chicago on Sept. 6, being signed as a weather officer to the Army Air Corps. He is now 1st Lt. stationed in England. Mrs. Schroeder is a graduate of the Lawrence Conservatory of Music and did graduate work at the University of Minnesota. She is Superintendent of Music in the Schools of Ripon, Wis.

Mike Scheriff is with the Chile Exploration Company, Chuquicamata, via Antofagasta, Chile. Mike writes that he enjoys the Alumnus very much and that the war has taken a great many Americans out of South America.

Alden G. Hacker is a Major with an Engineer Bn. APO 235, San Francisco. His home address is 4527a Harris, St. Louis, Mo.

Wayne Bennetson is working at the Naval Research Laboratory in Washington, D. C. Wayne's home address is 206 Elmira St., Washington, D.C.

Norman D. Blair is now a Lieutenant (jg) in the USNR Aerial Mine Detachment Hdq., with an APO address No. 690, New York City. Lt. and Mrs. Blair have a baby daughter, born March 22, 1945, whom they have named Patricia Ann.



Lt. Harvey C. Stevens is now on foreign duty. His home address is 710 S. Ohio avenue, Sedalia, Mo.

James S. Dodge Jr. is Private #39937637, 21st Co.—3 STR, Ft. Benning, Ga., having recently been transferred from Ft. McClellan, Ala., to Ft. Benning.

Robert Schoenthaler is employed in the engineering department of Phillips Petroleum Co., Bartlesville, Okla. His residence address is 1534 S. Hickory street.

Warren L. Loveridge is an aviation cadet, Aviation Cadet Group, Curtis Field, Tex.

Lt. Fred F. Burgett who has been in a convalescent hospital at Ft. Thomas, Ky., is back in the ASF at Fort Sheridan, Ill.

Andrew A. Cochran resides at 3701 Wood avenue, Kansas City, Kan.

William D. Lies, formerly of 900 E. 80th St., Chicago, Ill., is living at 1837 Monroe St. N.W., Washington, D.C.

Carl M. Zvaunt is with the Western Cart-ridge Co., at Alton, Ill. His home address is 3642 Horn avenue, Alton. Carl writes that his youngest brother is considering enrolling at MSM this fall.

James J. Springer of 307 Altus place, Kirkwood 22, Mo., is distribution engineer for the Union Electric Company of Missouri.

Capt. Robert E. Fields is an AAF Test Pilot, Douglas Aircraft Co., Tulsa, Okla. His permanent address is 6067 Harney Ave., St. Louis, Mo.

Capt. Armin Fick writes from APO in New York, dna gives his home address as 4406 Clarence avenue, St. Louis, Mo.

Ens. George Ambrose is with the 68th Navy Construction Bn., Camp Parks, Cal.

1942

Mrs. John Rayl, widow of John W. Rayl, has written from her home at 331 Grandpine street, Baton Rouge, La., announcing the arrival of a daughter, Henry Ellen, to her and Johnny, and sending a contribution from herself and daughter to the Memorial fund.

Capt. Bailey W. Hagar is at an overseas assignment out of New York City. Bailey sent his contribution to the class of '42 Memorial Scholarship Fund.

Ens. Robert L. Stowell has sent a letter from Davisville, R.I., where he is an ensign in the Navy. He is stationed at Bldg. E-5, Camp Endicott. Bob sent his contribution to the class of '42 Memorial Fund and also sent addresses of several other members of the class of '42.

Lt. (jg) John C. Allen who is in the Naval Air Force, Navy 407, F.P.O. New York, N.Y.

Ens. W. E. Hill Jr. gives his address as Sidonia Detail BOQ 1142, Newport, R.I. Also stationed at same address are Lt. (jg) Ed. Rueff, Ens. A. T. Sindel and Midshipman Robert G. Billings.

Ens. K. A. Roffman is living at Apt. 1-A, 132 Irvington street S.W., Washington, D.C. Kenneth sent his contribution to the class of '42 Memorial Fund and suggests any name to cover all deceased veterans of '42.

Lt. R. L. Thias is on duty in the Air Corps someplace in the Pacific. He wrote sending his contribution to War Memorial Fund of the class of '42.

Lt. (jg) J. W. Zoller is aboard the U.S.S. Dionne (DE261) c/o F.P.O., San Francisco, Cal. Jacques sent a substantial contribution to the class of '42 Memorial Fund.

Lt. Vernon T. McGhee is on an overseas assignment with an APO number out of New York City. Vernon wrote sending his contribution to the Johnny Rayl Memorial Scholarship Fund and expressed his conviction that the purpose sounds excellent.

Lt. William F. McConnell is now stationed at 4530 AAFU, ATFC, Kelly Field, Tex. Bill wrote sending his contribution to the Memorial Fund and a general letter which is elsewhere reproduced in the Alumnus explaining his ideas for an enlargement of the Memorial Fund.

Lt. James H. Fox passed through Rolla during the latter part of April. Jim was enroute to the East for reassignment. His home address is c/o G. A. Melton, Box 542, Rolla, Mo.

Capt. Robert Van Nostrand is in command of a Signal Service Battalion somewhere in Germany. He is serving in a Communications

Zone, Advance Section. His home address is 310 E. Campbell Ave., Sherrill, N.Y. Robert had the misfortune to lose his mother recently. He has sent a substantial contribution to the class '42 Memorial Fund.

Herbert E. Pagel is with the Tennessee Coal, Iron & Railroad Co., Docena Mine, Adamsville, Route 1, Birmingham, Ala. His home address is 3004 Pike road, Birmingham 8.

Marie Davis visited the campus on May 12. Marie is with the Carter Carburetor Co. in St. Louis. Her home address is 7301 E. Burrwood drive, Normandy, Mo. Marie made her contribution to the class '42 Memorial Fund.

Lt. (jg) Arthur Guernsey has been visiting his parents in St. Louis at 5166 Waterman for the past four weeks. Art will be sent to Fort Blanding, Fla., for reassignment after having spent 18 months in the Alaskan area.

Ens. V. A. Smith is in foreign military service stationed in the Philippines. Virgil wrote under date of April 2 sending a substantial contribution to the class of '42 Memorial Fund. He stated he had not met any Miners in the Philippines but hoped to do so in the near future.

Lt. Walter E. Doelling now on foreign duty gives his home address as 3827 Oakridge, Normandy 20, Mo.

Oscar M. Muskopf is living at 4542 N.Kings-highway, St. Louis 15, Mo. Oscar sent his contribution to the Memorial Fund of the class of '42 who gave their lives in military service.

Clarence M. Stevens is with the General Electric Co. at 1 River road, Schenectady, N.Y. Clarence writes that "Sid Burberry's letter concerning the death of our friend and schoolmate, Red Rayl, had been received and I wish to contribute the enclosed check towards the purpose outlined in this letter."

Fred Kisslinger is living at 22 E. Daniels St., Cincinnati 19, Ohio. Fred has made his contribution to the Memorial Fund of the class of '42.

Dell C. Wade has sent a substantial contribution to the "Class of '42 Memorial Fund in memory of John W. Rayl and Mel Ulrich." Dell is living at 1226 S. Galveston, Tulsa 5, Okla.

Alexander L. Stewart writes under date of April 2 that he had "just received a letter from Sid Burberry and an enclosing contribution toward the Johnny Rayl Memorial Scholarship Fund." Alexander is living at 2312 N. Lefebvre, Milwaukee 13, Wis.

Irwin L. Sherrick has the address of 4010 2nd St., S.W., Washington, D.C. Irwin sent his contribution to the John Rayl Fund.

Capt. Otis H. Taylor writes from his station somewhere in Italy sending his alumni dues. Otis writes that he saw Jim Katz '41, recently.

Lt. (jg) George W. Alexander, USS Setinur, AKA 41, FPO, New York, N.Y., has sent a contribution to the "World War II Memorial Fund" and suggested this as a name for the fund.

Lt. (jg) Kenneth I. Sherman is in the Navy, his home address being Route No. 1, Festus, Mo. Ken writes, sending a contribution to the memorial fund.

Carl Johnk, Chief Petty Officer of the Navy, visited Rolla on Feb. 26. Carl was on a ten day leave from the Naval Ordnance Laboratory in Washington, D.C. His home address is 1643 U street S.E., Washington, D.C.

G. M. Veale is Lt. (jg) on a submarine somewhere in the Pacific. Gene's home address is 6505 Ridge avenue, St. Louis, Mo.

Lt. A. G. Adler is now in the convalescent hospital, Camp Pickett, Va. His address is Co. A, S.C.V. 1318, Convalescent Hospital, Camp Pickett, Va.

Lt. (jg) Russell W. Hollander is a Naval Aviator, Municipal No. 1 USNAAS, Jacksonville, Fla. His home address is 2905 Mt. Pleasant, St. Louis 11, Mo.

Sgt. William I. Eisman, Battery B 285th FA Obsn. Bn. now has an APO address.

Tony Gonski writes from somewhere in France. He landed in Normandy on D-Day and has since been in Belgium and Germany, but is now back in France.

F/O John J. Zagata, now located somewhere in the Philippines is with the oldest Troop Carrier organization in the Southwest Pacific. John spent a seven day leave in Sidney, Aus-

tralia in February. Johnny has sent his contribution to the Memorial Fund.

Cpl. Charles H. Jacoby who has been at Fort Ord, Cal., now gives as his address Co. D543 EB 4 SK, 3rd Engr. Sp. Brig., APO 565, San Francisco, Cal.

Kenneth F. Anderson is living at 114 Denison street, Little Rock, Ark.

Capt. Robert R. Cutler, Jr. writes from England that he has been wounded in action and is in a convalescent hospital there but expects to return to his outfit in a few weeks. Capt. Cutler's home address is Riverview place, Washington, Missouri.

Welby King has been promoted to Captain.

Lt. Gene Gottschalk is now in Gen. Chenault's 14th Air Force in China as aircraft maintenance engineer. He may be addressed at 3333 Euclid avenue, Cleveland 15, Ohio at his home and mail will be forwarded. His father sent Gene's contribution to the class of '42 Memorial Fund.

Mrs. J. W. Royer, mother of Russell Royer, has written that Russell is overseas in military service. Mrs. Royer sent his contribution to the class of '42 Memorial Fund.

Kung-Ping Wang is living at 97 LaSalle, New York 27, N.Y. Kung-Ping wrote sending his contribution "for the memory of my very good friend Mel Ulrich. I can hardly believe he is gone for he wrote me Dec. 9, 1944."

Capt. F. Presley Paul is on overseas duty and his wife who lives at 7227 Colgate, St. Louis 5, Mo., has written sending a substantial contribution to the class of '42 Memorial Fund in Presley's behalf.

Capt. Gilbert Naert is on overseas assignment. His father Dr. A. L. Naert, 4701a Virginia Ave., St. Louis, Mo., has written to Dean Wilson sending Gilbert's contribution to the class of '42 Memorial Fund.

E. A. Rassiniar is in the Production Dept. of the Phillips Petroleum Co., Bartlesville, Okla. Ed has written to Dean Wilson sending his contribution to the Memorial Fund, class of '42, and suggests that the names of all men of the class who are killed in action be inscribed on all announcements concerning the administration of this fund.

Ens. Robert A. Smith is on the USS LCI (L) 868, c/o FPO, San Francisco, Cal. Bob's father, R. J. Smith, 3450 Pine Grove Ave., St. Louis 20, Mo., has written to Dean Wilson sending Bob's contribution to the class of '42 Memorial Fund and stating that he is sending Capt. Burberry's letter on to Bob in the South Pacific. Mr. Smith expressed the hope that this memorial fund will meet with success.

W. J. Lawler is living at 1012 Woodberry Rd., New Kensington, Pa., where he is employed by the Aluminum Co. of America. Wib writes sending his Alumni dues and a contribution to the John Rayl Memorial Fund. Wib states that he is glad that Sid Burberry came forth with the fine idea of establishing a memorial fund to aid students rather than some sort of statue or plaque. He personally feels that such a memorial of this type will be a living ever-flourishing one and not inanimate and therefore will indeed pay a living tribute to the boys to be remembered for themselves and what they have sacrificed for the country. Wib also states that the Alumni news is certainly welcome and it is getting to be a better magazine with every issue.

Lt. Austin E. Schuman is somewhere overseas. His APO is No. 17113, New York, N.Y.

Ens. and Mrs. Thomas A. Jones visited the campus on Mar. 9. Tom was visiting his parents, Mayor and Mrs. W. T. Jones, of Rolla, before going to the west coast for further assignment.

Lt. (jg) George Axmacher writes that he has just been assigned duty aboard a new cargo ship (Navy) AKA as assistant engineer. He reports having run into Lt. (jg) John Allen '42 and Ens. Bob Stowell '42 in Providence, R.I. Both of them are in the Seabees. George's last duty was on an Inspection Board in the Gulf Area, and he was engineering inspector of all landing craft down there.

Ens. John W. Nevin, who has been at the Navy Training Station, Hollywood, Fla., is now at the Amphibious Training Base, Solomons, Maryland.



A/s Robert G. Billings has completed his training at the Great Lakes Naval Training Station and has been transferred to Camp Endicott, Davisville, R.I.

George V. Bradshaw is married and the father of an eight months old daughter. George is mechanical design engineer with the RCA Company. His address is 1552 Ellery Walk, Fairview, Camden, N.J.

Jerry Wickliffe is missing in action and is presumed dead. Jerry's plane failed to return from a flight over Italy in November, 1943. No word has been received of him since that time. Jerry was an ASME member, and a Sigma Pi pledge.

Lt. Bion D. Pewitt is with the 1928th Sig. Co., 59th ADG, Kelly Field, Tex. Bion has sent his contribution to the class of '42 World War II Memorial Fund.

Capt. Sidney Burberry has returned to his post in Italy after a vacation in the United States at which time he initiated the idea of a Memorial Fund for the class of '42 acting in his capacity as a senior president. Before leaving Sid sent a substantial contribution to this fund.

S/Sgt. W. R. Strickel is on overseas duty in the Pacific. Bill has sent a substantial contribution to the Memorial Fund for the class of '42.

E. J. Birch is living at the Brooks Hotel, Yerington, Nev. Everett wrote sending his check for his contribution to the class of '42 Memorial Fund.

Hugh M. Clark is living at 14 Summit Ave., Clifton, N.J. Hugh sent his contribution to the class of '42 Memorial Fund and agreed with Sid Burberry as to the naming of the fund.

Lt. Harry B. Smith is living at 4743 Lee boulevard, Arlington, Va. Harry sent his contribution to the Memorial Fund.

Lt. N. Nicola is on foreign service but may be addressed at 4355 Laclede Ave., St. Louis 8, Mo. Nick sent his contribution to the Memorial Fund for the class of '42.

Richard L. Schumacher is stationed at Co. 3061, Bks. 317-L, USNTC, Bainbridge, Md. Dick sent his contribution to the class of '42 Memorial Fund.

Lt. L. C. Wolff is on the USS Nashville c/o FPO, San Francisco, Cal. Leonard has written to Dean Wilson transmitting his contribution to the class of '42 Memorial Fund.

Lt. R. J. Cunningham, USNR, has just returned from 22 months overseas, where he went through four major invasions. He is now stationed at Notre Dame as an instructor in navigation. Dick will be remembered as one of the outstanding football players when he was a student at MSM.

Eugene Helton is employed in the research department of Caterpillar Tractor Co., East Peoria, Ill. His home address is 407 Wisconsin, Peoria 4, Ill.

Capt. Robert M. Brackbill is with the 730th Bomb Sq., 452nd Bomb Gp., APO 559, c/o Postmaster, New York, N.Y. Bob sent a contribution to the class of '42 Memorial Fund.

## 1943

Lt. Gabriel G. Skitek is in the electrical engineer propeller laboratory at the Air Technical Service Command at Wright Field, Dayton, O. Gabriel is living at 441 Allwen Dr., Apt. J, Dayton. He writes that he is looking forward to returning to MSM to complete work for a Master's degree under Public Law 346.

1st Lt. Don J. Coolidge is on the Ledo road in the CBI theatre. Don writes that he has seen Lt. Art Petersen '43 and Lt. Rene Rasmussen '43, also on his way into the CBI last fall, he ran into Capt. A. W. Ford '38 and Lt. Merritt Frances '41. Don writes that he enjoys the Alumnus immensely.

Harold Haas has been wounded in action according to word carried in the St. Louis newspapers. Details concerning the action were not given.

Bruce R. Landis has been promoted to First Lieutenant with the Army Engineers at Atlanta, Ga. This is the South Atlantic Division Engineer office which is responsible for army construction in the southeastern states, and for river and harbor work and flood control in the area.

Edward G. Johannes visited the campus on May 16. Edward is with the General Electric Company, 1417 Union Ave., Schenectady, N.Y.

Sgt. W. J. Eisman is now on foreign duty with a Field Artillery Observation Battalion.

Lt. Ambrose E. Pritchard has APO address, No. 492, New York, N.Y.

Lt. James H. Bottom recently at Camp Van Dorn, Miss., now has changed his address to APO 17567 c/o Postmaster, New York, N.Y.

1st Lt. Joseph P. Berndt Jr. is still with an Engineer Combat Bn. overseas, but has had his APO changed to 339. His home address is 6943 Idaho Ave., St. Louis 11, Mo.

Clyde H. Krummel Jr. is with the Bethlehem Steel Co., Special Tests, Main Laboratory, in Pennsylvania. He is making his home at 618 Delaware Ave., Bethlehem, Pa.

John V. Driscoll who has been in Naval Training School at Hollywood, Fla., is now training at Little Creek, Va., ATB.

Lt. Albert S. Keevil 0542836 gives a change of address to an APO in New York, N.Y.

E. H. Harvey is now at the Navy Pier at Chicago, Ill.

Lt. Leonard N. Larson has been stationed on Saipan since last fall as ground crew engineer officer in charge of one squadron of B-29's. His squadron was the first to hit Tokyo when the bombing raids began. He was recently promoted to maintenance controller in charge of three squadrons of B-29's.

Lt. Wesley J. Dolginoff, Corps of Engineers, writes from somewhere in Belgium that he hopes that it will "anywhere in the U. S. A." soon, for he has done all the "sight-seeing he cares to for a while." In fact, he states that he would be willing to go through the Freshman year at MSM again to get back. He reports seeing Capt. Armin Fick '41 and is now trying to catch up with Lt. Howard Durham '43 and Lt. Bob McMath '43.

Lt. Franklin L. McCutchen, C.O. 34th Signal Radar, has as his address APO No. 18406, San Francisco, Cal.

Irene Davis visited the campus on March 27. Irene has taken employment with the Lindberg Heat Treating Co. at 218 North Laffin, Chicago, Ill. Her home address is 211 N. Elmwood Ave., Oak Park, Ill.

E. Harvey Barnett is in the Navy, his address being Co. 110-108 Navy Pier, Chicago, Ill. Harvey writes that he has seen Louis Pfau, Jimmie Ranes, Leonard McGowan, Vernon Gehrre, and Robert Hartleb, who are stationed at the Pier.

Clyde Durphey is an Ensign in the Navy and will soon be given a Fleet Post Office address. His home address is 3709 Gravois, St. Louis, Mo.

Lt. Enos L. Key is on an overseas assignment and is now in Germany with the 5th Engineers. He expresses appreciation for the Alumni Magazine.

Pvt. Herbert Kalish is somewhere in France. His address is APO 412, New York, N.Y.

Lt. Albert S. Keevil who is seeing foreign service, gives his address as APO 403, New York, N.Y.

James R. Paul is a Lieutenant (jg) in the U.S. Navy, Charleston Navy Yard, Charleston, S.C. His permanent address is 700 St. Francis street, Kennett, Mo.

S.1/c Vernon H. Gehrre is at Navy Pier, Chicago, Ill., NTS Co. 21-23.

Lt. Roy L. Kackley Jr. is now with the Engineers and gives his address as 1366th Engr. Dp. Trk. Co., APO 403, c/o Postmaster New York.

Ens. William E. Klund has completed his schooling in the Navy and is now stationed at Gainesville, Ga. His address is B.O.Q., Room 205, NATTC, Gainesville, Ga. Bill writes that he is interested in a "St. Pat's" after the war is over.

Lt. Franklin Rehfeld writes from the Philippines that he received his copy of the Alumnus which had been trying to catch up with him. He writes that he was sorry to find that the Alumni dues had not been increased to the suggested \$10.00 per year. Frank reports that his unit took part in the actual invasion landing here and that it was a good show—not too rough. He also states that he has not run into a "Miner" since he has been over there, and that they must all be in the other theatre.

Lt. D. N. Christensen is with a Combat Engineer group on foreign assignment. His address is APO 81 c/o Postmaster, San Francisco, Cal. Doug writes that he is still receiving and enjoys the Alumnus.

S.1/c Vernon Gehrre is stationed at the Navy Pier in Chicago. His address is NTS Co. 21-23.

Lt. C. J. Wright is with the Engineer Combat Division overseas. His home address is 5031 Lotus avenue, St. Louis 13, Mo. Clarence writes that he has met Lt. Lambelet '43, Lt. Berndt '43 and Capt. Hannegan in Germany.

## 1944

Ens. Frank O. Schofro is in the Naval Hospital at Great Lakes, recuperating from an illness. His address is Ward E.—South U.S.N.H. McIntire Unit, Great Lakes, Ill.

2nd Lt. Bill Goodwin ex-'44 is a member of the 283rd Engr. Combat Bn.

O/C Albert Hoffman Jr. gives as his address 3rd Co., 3rd S.T.R., Fort Benning, Ga.

Warren L. Larson visited the campus on Feb. 27. Warren is studying Naval Architecture at the University of Michigan at Ann Arbor, Mich. under the Navy program. His address is Room 484, Michigan Union, Ann Arbor, Mich.

Lt. E. B. Blair ex-'44 is now with the Engineers somewhere overseas.

Hans Schmoltz who is with the Philrich Branch, Phillips Petroleum Company, at Borger, Tex., has been transferred from the laboratory section into the plant design section which has just started on a three million dollar project.

Ens. R. D. Moeller gives his address as T.O.Q.L. 29, N.T.S. N.O.B., Norfolk, Va.

S.2/c Harry Gilliland ex-'44 gives the address Acorn 48, Port Hueneme, Cal.

Ens. Francis Nelson is with the Naval Supply Depot, Cheatham Annex, Williamsburg, Va.

Paul R. Kasten who is in the Merchant Marines, is attending the U.S.M.S. Radio School, Gallups Island, Boston, Mass.

Don Kozeni is living at 1406 Ewing avenue, Kansas City, Mo. He is with the Aluminum Company.

Pvt. Edward P. Patterson is at the experimental field laboratory at Wright Field, Dayton, Ohio.

Ens. Edward S. Isenmann, whose home address is Warrenton, Mo., is stationed on the USS Belleau Wood.

Robert W. Klorer is an Ensign in the Navy, with a Fleet Post Office address at San Francisco, Cal.

Ens. P. M. Dampf is now in the Pacific.

S.1/c Henry S. Adamick has recently been transferred from San Diego, Cal., to Fleet Service School, Class S-42, Virginia Beach, Va.

Harry Scott Jr. is now in the Pacific. His address being U.S.S. YMS 387 c/o Fleet Post Office, San Francisco, Cal.

John Van Os is Radio Technician 3/c, R.M.S., 1545-1, Washington, D.C.

John O. Stegner is working as a Junior Process Engineer with the Moraine Products Division of General Motors, in Dayton, and is living at 624 Superior, Dayton 7, Ohio.

Ens. Richard F. Ollis Jr., USNR gives his address as NTS (Radar) MIT, 470 Atlantic avenue, Boston, Mass.

S.1/c Peter Des Jardins is attending Midshipman School at Columbia University, N.Y.

Ens. G. E. Barber is located at 18 Stockton place, Cape May, N.J.

James D. Dowd is working for the Aluminum Co. of America as metallurgical engineer in company research laboratories at New Kensington, Pa.

Calvin E. Moeller, S.1/c, is in training at Great Lakes, Ill., Section R3-3, Barracks 611, Service School Command, USNTS.

George Tatoian visited the campus on April 21. George is with the Shell Oil Company at Woodriver, Ill. His home address is 41 E. Madison avenue, Woodriver, Ill.

John Requarth ex-'44 is now a First Lieutenant in the Air Corps. His address being Box 289, HAAAF, Hobbs, New Mex.

Ens. Jacob D. Jenkins is with the USS Cecil J. Doyle, D.F. 368 c/o Fleet Post Office, San Francisco, Cal.



Lt. John L. Krall is with a Signal Bn. now on foreign duty.

Bob Westwater is recuperating in a hospital in Hawaii. Bob was wounded in action against the Japanese.

Glenn E. Dean writes that he is leaving his training station in St. Louis for an outgoing base. His address for the duration will be 731 East North street, Morris, Ill., his home town. Glenn writes that he has run into many "Miners" in his training work in the Navy.

Tom Gettys, a member of Kappa Sigma fraternity is an Ensign in the Navy and is now stationed at A.T.B., Little Creek 2, Va. He may be reached permanently through his mother, Mrs. K. Gettys, 108 N. Munn avenue, East Orange, N.J. Tom was previously stationed at Hollywood, Fla., where he met Ensigns Robert Klorer '44, John Driscoll '43, and Paul Rothband '43. At Little Creek he has met Ensigns Alfred Dick and Alfred Itterman, with whom he has spent many hours talking over old times at MSM.

## 1945

Robert K. Seigle is working in the Product Engineering group of Sperry's Electronic Plant at Great Neck, N.Y. Bob writes that he is living at the same address as Prof. Ranes, which is 29 Gilchrist road, Great Neck, Long Island, N.Y.

Lt. Russell E. Frame ex-'45 now with the U.S.M.C.R. gives as his address Co. B. 1st Pioneer Bn., 1st Marine Division, c/o Fleet Post Office, San Francisco, Cal.

Robert G. Meiners ex-'45 is in Naval Aviation training at Dallas, Tex., U.S. Navy Air Station.

Fred W. Schmitz is with the Commercial Solvents Corporation at Terre Haute, Ind. He is working in the Pilot Plant doing process engineering. His home address is 1506 S. 7th street, Terre Haute.

Kor Uyetake is employed as a mining engineer at the Hayden Coal Company at Haybro, Colo. Kor writes that he is finding his work interesting and he is gaining much experience in the mining field.

Lt. George A. Allison ex-'45 is on foreign assignment at an address being APO 18443, c/o Postmaster, New York, N.Y.

H. F. Webers is with the National Lead Co., Titanium Division, in St. Louis. His home address is 3138 Keokuk, St. Louis 18, Mo.

Joe Keller is with the Shell Oil Company, his address being Box 224, Hoisington, Kan.

Lt. Albert V. Malone ex-'45 has flown from his 30 missions over Europe as a navigator in a B-24 and spent leave with his parents at Seaton, Mo. Albert visited the campus twice during his leave period. He has been several times decorated for his action over Germany. Albert is planning to return to MSM and complete his education after the war.

B. J. Sparlin is living at 605 Hampton Ave., Wilkinsburg 21, Pa.

Ens. Edwin W. Blase ex-'45 is now stationed in Miami, Fla. His address is Officer Training, Miami, Fla. Ed writes that he hopes to return to Rolla for a visit in the not too distant future.

Eloy Cueto ex-'45 is in the Navy as a Junior Engineer Officer aboard a turbo-gear driven destroyer. Cueto writes that he has met Jim Wigg ex-'45, who has recently won his wings as a Naval Air Corps Ensign and is now stationed at Lauderdale Field. He has also seen Warren Bell ex-'45, Bernard Einispanier ex-'45, Bob Ray ex-'45, Ken Franks ex-'45, and others.

Robert L. Heuer ex-'45 has been wounded in action according to word carried in the St. Louis newspapers. Details concerning the action were not given.

Allen Lindberg is now a Seaman first class, stationed at Great Lakes, Co. 618, Ill.

## 1946

Ens. Raymond R. Seabaugh visited the campus on March 24. Raymond has recently received his commission as Ensign and was on leave before reporting for sea duty. His home address is 120 Feltz street, Perryville, Mo.

Richard Schmitz is studying Mechanical Engineering in an Advanced A.S.T. unit at Oregon State College. His address is Pvt. Co. A., S.C. U. 3900, Oregon State College, Corvallis, Ore.

## Alumni Directory

In this issue and continuing for the next four issues, there will be published an Alumni Directory by classes. Alumni covered in this issue, whose address is not shown as correct, should notify the secretary at once as to the proper address. A number of alumni are listed as "lost." Anyone knowing a correct address for these alumni is urged to send it at once to the secretary's office.

The Alumnus as mailed to the alumni contains the best address available in Rolla. If it is not correct, please notify the Alumni office that it may be corrected for the succeeding issues of the Alumnus containing the directory.

The cooperation of all will make for better alumni records.

## 1918

Edgar C. Burkhardt, P.O. Box 139, Macon, Missouri.

R. Chavez, 4708 Juarez, Chihuahua, Chih., Mexico.

H. S. Clark, 2307 Warner Rd., Ft. Worth, Texas; business, Sinclair Prairie Oil Co.

H. W. Doennecke, 231 N. Yukon street, Tulsa 6, Okla.; business Ozark Chemical Co.

F. H. Geib (deceased).

J. P. Gill, Vanadium Alloys Steel Co., Latrobe, Pa.; residence, 850 Weldon, Latrobe.

A. F. Golick, Steel Supply Co., 30 N. Curtis, Chicago, Ill.; residence, 1361 E. 50th St., Chicago 15, Ill.

Oscar Gotsch, Hadley Vocational School, St. Louis 6, Mo.; residence, 5210 Lindenwood Ave., St. Louis 9, Mo.

K. F. Hansen (deceased).

Te Chun Hoo, Hun San, Hunan, China.

Maj. E. R. Householder, Ordnance Dept., Nansmond Ordnance Dept., Portsmouth, Va.

H. A. Kluge, P.O. Box 92, Collinsville, Ill.

O. N. Maness, 1628 S. Utica, Tulsa, Okla.

G. E. Mellow, Treasurer, Liberty Foundry, 7600 Vulcan street, St. Louis; residence, 69 Fair Oaks, Clayton 17, Mo.

J. W. Pugh (deceased).

W. H. Reber, Mechanical Supt., Humble Oil & Refining Co.; residence, P.O. Box 979, Baytown, Tex.

L. R. Scheurer, Wichita Falls Hardware Co.; residence Box 476, Wichita Falls, Tex.

M. W. Shanfeld, 8 Granada Way, Clayton 5, Missouri.

H. R. Stahl, metallurgist, St. Joe Lead Co., Desloge, Mo.

R. S. Weimer (deceased).

Hanley Weiser, metallurgist, Nassau Smelting & Refining Co., Tottenville, N.Y.; residence, 5769 Amboy Rd., Prince Bay, Stanton Island, N.Y.

E. D. Wilson, geologist, Arizona Bureau of Mines, Tucson, Ariz.

W. J. Zeuch (deceased).

L. C. Zoller, Vice-Pres. & Geologist, Central Oil Co.; P.O. Box 2306, Tulsa, Okla.

## 1919

L. B. Benton, 3332 Ryan avenue, Ft. Worth, Texas.

P. H. Bohart, Vice-Pres. in Charge of Production, Gypsy Oil Co.; residence, Box 661, Tulsa 2, Okla.

Thomas R. Crawford, Pando Constructors, Camp Hale, Pando, Colo.

Raymond J. Dowd, 1280 Sells avenue, St. Louis 15, Mo.

J. B. Duga, Berg Metals Co., 2652 Long Beach Ave., Los Angeles 11, Cal.; residence, 1107 S. Ogden Dr., Los Angeles 35, Cal.

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Thomas Carson Morris, 900 Laurel avenue, Minneapolis, Minn.

B. G. Nichols, manager Schaeffer Bros. & Powell Mfg. Co.; residence, 6709 Garner Ave., St. Louis 10, Mo.

William E. Oyler, 10327 S. Seeley avenue, Chicago, Ill.

Charles M. Schnaidt, division engineer, C. & E.I. Railway; residence, 228 E. Oglesby street, Salem, Ill.

James W. Scott, metallurgist, Tool Steel Department, Western Electric Co.; residence, 4629 Highland avenue, Downers Grove, Ill.

Vivien X. Smiley (unknown).

Harry G. Smith (deceased).

Paul D. Wilkinson, teacher, Dept. of Chemistry, Indiana State Normal; residence, 1636 So. 4th street, Terre Haute, Ind.

## 1920

Kenneth Aid, Barnsdall Oil Co., Tulsa, Okla.

Lt. Comdr. Evan Earl Ashlock, 158 S. E. Blvd., Corona, Cal.

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D. C. Beyer (unknown).

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J. R. Casanovas (deceased).

L. C. Casselman, 202 W. 18th St., Rolla, Mo.

L. H. Cunningham, Northern Illinois Coal Corp., Wilmington, Ill.

Eugene Dreidel (deceased).

G. E. Ebmeyer, Jarvis Bros. & Marcel, 703 Hulman Bldg., Evansville, Ind.; residence, Apt. C-17, Donaldson Arms Apt., Evansville, Ind.

A. V. Eulich (deceased).

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Osher Goldsmith, petroleum engineer, 401 W. Front street, Tyler, Tex.

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W. G. Hippard, 131 East Fayette St., Uniontown, Pa.

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C. P. Howard (unknown).

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C. B. Hummel (deceased).

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F. A. Krause, 515 S. Geyer, Kirkwood, Mo.

G. A. Kronlein (deceased).

Thomas W. Leach, 706 National Bank of Commerce Bldg., Tulsa, Okla.

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F. M. McMillen, 2406 S. Blvd., Houston 6, Texas.



R. L. Marston, 3717 Caruth Blvd., Dallas, Texas.

F. V. Moore (unknown).

Earle N. Murphy, Keosauqua, Ia.

William L. Niece (unknown).

William J. Nolte, Box 1410, Fort Worth; Residence, Rt. 5, Box 217A, Fort Worth, Tex.

Joseph Novak Jr. (unknown).

Arthur H. Petsch, The Ohio Oil Co., Box 1607, Hobbs, New Mex.

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A. D. Potts, manager, Steel Mill Division, Simonds Saw & Steel Co., Lockport, N.Y.

Gerald F. Rackett (unknown).

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E. K. Schuman, 1106 Pine, Rolla, Mo.

E. A. Slover, Kennecott Copper Corp., Chino Mines Division, Hurley, New Mex.

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R. B. Wills (deceased).

K. M. Wright, U.S. Gypsum Co., Alabaster, Michigan.

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## 1921

Hyman I. Albert (unknown).

M. S. Badollet, Research Lab., Johns-Manville Corp., Manville, N.J.

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W. H. Baxter (unknown).

G. B. Bloom (deceased).

K. W. Booker, Box 105, Ruth, Nev.

Robert Bruce Jr. (unknown).

C. P. Burford, White-Eagle Refining Co., Augusta, Kan.

A. L. Cairns (deceased).

Kuang Yu Chang (unknown).

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V. K. Fischlowitz (unknown).

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Meyer Gollub (unknown).

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Heng Yung Ma (unknown).

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T. C. Sherwood (deceased).

Hsin Pu Shih, teacher, Fuchung Mining College, Chiaotso, Honan, China.

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R. J. Stroup, engineer, The Eagle Picher Mining & Smelting Co., Picher, Okla.

R.K. Stroup, mine superintendent, The Eagle-Picher Mining & Smelting Co., Picher, Okla.

R. N. Stubbs, Jr. (deceased).

Huston Taylor, Mid-West Carbide Co., Taylor's Lab.—Bacteriological and Chemical, 1024 Leighton street, Keokuk, Ia.; residence, 1023 Orleans avenue, Keokuk, Iowa.

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James M. Wilson (unknown).

Joseph M. Wilson, Vice-President in Charge of Development, Salt Domes Oil Co., 5811 Gaston avenue, Dallas 14, Tex.

## 1922

A. L. Ackers, Stanolind Oil & Gas Co., 1714 S. Evanston, Tulsa, Okla.

I. W. Alcorn, division products engineer, Pure Oil Co., Houston, Tex.; residence, 2438 Goldsmith, Houston, Tex.

E. P. Andrews works for Socony-Vacuum Oil Co., DeColumbia, Bogota, Colombia. Mail address c/o Ralph S. Newcomer, Attorney-at-Law, First National Bank Bldg., Boulder, Colo.

F. C. Bolles, 117 Genesee Rd., San Antonio, Texas.

W. W. Bolt, St. Ellen Mine, O'Fallon, Ill.

K. M. Bowman, 6043 Broad street, Brookmont, Maryland Station A, Washington, D.C.

J. L. Bulger, 171 Clinton street, Gouverneur, New York.

C. W. Burkhart, chemical research, Pennsylvania Salt Co., Philadelphia, Pa. Residence, 211 Chapman avenue, Lansdowne, Pa.

J. B. Butler, associate professor of civil engineering, MSM, Rolla, Mo.; residence, 305 W. 9th street, Rolla, Mo.

Walker E. Case, engineering department, American Telephone & Telegraph Co.; 3735 Magnolia avenue, St. Louis 20, Mo.

B. E. Charles, geologist, Producers Mines, Inc., Box 10, Chloride, Ariz.

H. L. Childress, Box 241, Picher, Okla.

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H. S. Crawford (unknown).

A. F. Denison (unknown).

W. R. Denison, engineer, Public Service Commission, Room 300, City Hall, St. Louis; residence, 6455 Sutherland avenue, St. Louis 9, Missouri.

G. P. Diers (deceased).

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Otto Ehler (unknown).

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S. M. Hayes, 1500 Massachusetts avenue, Lawrence, Kan.

J. F. Helmerichs, 15919 Hazel avenue, East Cleveland, Ohio.

I. F. Hodges (deceased).

J. T. Hodges (deceased).

William F. Hoke (unknown).

E. J. Hollow, St. Clair, Mo.

J. F. Hosterman, Amerada Petroleum Corp.; residence, Box 2040, Tulsa, Okla.

Daniel E. Huffman, Jr. (unknown).

H. H. Hughes, Jr., 1707 Fletcher street, South Pasadena, Cal.

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J. E. Jones, 3460 Grayburn street, Pasadena 8, Cal.

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I. W. Keyes (deceased).

F. P. Kohlbray, 700 So. Spring avenue, St. Louis 10, Mo.

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L. E. W. Lepper (unknown).

J. N. McGirr, district manager, Land & Exploration Dept., Tidewater Associated Oil Co., Tulsa, Okla.; residence, 2136 South Terwilliger Blvd., Tulsa, Okla.

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W. H. Metzger, c/o J. S. McLaughlin & Sons, 710 Walnut Bldg., Des Moines; residence, 4047 Urbandale avenue, Des Moines 10, Ia.

C. E. Millikan, chief mining engineer, Cia Minera Kildun y Anexas, S.A., Apt. 41, Matehuala, S.L.P., Mexico.

C. C. Mosena, 616 No. Odell, Marshall, Mo.

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## 1923

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O. L. Brandenburger (unknown).

P. M. Brown (unknown).

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E. F. Chapin, Denver Equipment Co.; residence, 21 Muirfield Rd., Green Side Ext., Johannesburg, S.A.

Lt. Henri Chomeau, in military service overseas; residence, 131 N. Meramec avenue, Clayton, Mo.

W. J. Darby (unknown).

G. A. Dooley, 915 22nd street, Knoxville 16, Tennessee.

M. L. Dorris (unknown).

O. R. Evans, Western Cartridge Co., Alton, Illinois.

P. E. Fischer, Vice-President, Certain-teed Products Corp., 120 So. LaSalle St., Chicago, Ill.; residence, 1038 So. Green Bay Rd., Highland Park, Ill.

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E. M. Guy (unknown).

J. J. Habertier (unknown).

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P. C. Hatmaker, Strausburg, Va.

M. V. Healey, General Electric Co., I River road, Schenectady, N.Y.

P. J. Hegwer (deceased).

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D. J. Hendry (deceased).

B. F. Hoover (unknown).

H. G. Hubbard, 1060 Mills Tower, San Francisco 4, Cal.

J. G. Huckins (unknown).

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M. J. Ingerson (unknown).

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Vern G. Josling (deceased).

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B. R. Mennie (deceased).

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Edward Pesout, Nevada Consolidated Copper Corp., McGill, Nev.

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## 1924

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Thomas H. Beck (deceased).

Philip L. Blake (unknown).

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## 1925

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Charles C. Irving, Bensenville, Ill.

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## 1926

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Robert K. Miller, Cia Minera Asarco Teziutlan, Aire Libre, Puebla, Mex.

William Lyman Miller (unknown).

Capt. James P. Moore, APO 3006, c/o Postmaster New York, N.Y.

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